LAND APPLICATION SITE

R TOMMY HITE, SR SITE

LUXTH 1-30

LUNENBURG COUNTY

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 3-25-13 between RICHARD T. HITE referred to here as "Landowner", and Recyc Systems, Inc, referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:
The Landowner is the owner of record of the real property located in LUNENBURG Co. Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges

Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
TM35A-11-03, P8,9,10,	TM36(A), P63,65,68	TM 48(5), P1, 3	
11,12,13,14	TM 37(A), P53,55,56,	TM 37(A), P39,52,58,	
TM35A-11-10B, PA	57,80,81A,86	59,60,61,62,63,	
TM35A-12-01, P9A-A,9AB	TM48(A), P13,36,36A,	64,64A,72,73,78,	
TM35A-12-02, P1,2,5,6	39,58,183	78A,79,83,84,91	

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one:
☐ The Landowner is the sole owner of the properties identified herein
☑ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

Class B biosolids	Water treatment residuals	Food processing waste	Other industrial sludges
☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No

Richard T. Hite — Landowner – Printed Name, Title
Richard T. Hite — Signature
745 E 5th Ave Kenbridge, Va 23944 — Mailing Address & Phone Number

Permittee:
Recyc Systems, Inc the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement.)

[signature] — Permittee Authorized Representative Printed Name — Signature
PO Box 562 Remington, Virginia 22734 — Mailing Address

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Recyc Systems, Inc County or City: LUNENBURG Co.

Landowner: RICHARD T. HITE

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

2. Public Access
   a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
   b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols.
   c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

3. Crop Restrictions:
   a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
   b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil.
   c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
   d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids.
   e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

4. Livestock Access Restrictions:
   Following biosolids application to pasture or hayland sites:
   a. Meat producing livestock shall not be grazed for 30 days.
   b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
   c. Other animals shall be restricted from grazing for 30 days.

5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Richard T. Hite
Landowner's Signature

25 March 13
Date

Richard T. Hite
Farm Operator Signature

745 E 5th Ave Kenbridge Va 23944
Mailing Address & Phone Number

434-676-8569

VIRGINIA POLLUTION ABATEMENT PERMIT

FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 8-31-13 between CAROLYN H. HITE referred to here as "Landowner", and Recyc Systems, Inc, referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:
The Landowner is the owner of record of the real property located in LUNENBURG Co, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges

Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
TM36(A), P68	TM48(A), P36,36A,39,58		
TM37(A), P39,52,58,59, 60,61,62,63,64,64A, 72,73,78,78A,79,83, 84,91	TM48(5), P1, 3		

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one: ☐ The Landowner is the sole owner of the properties identified herein.
☑ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

Class B biosolids	Water treatment residuals	Food processing waste	Other industrial sludges
☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No	☒ Yes ☐ No

Carolyn H. Hite Carolyn H. Hite
Landowner – Printed Name, Title Signature Mailing Address & Phone Number

Permittee:
Recyc Systems, Inc, the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

Permittee – Authorized Representative Printed Name | Signature | PO Box 562 Remington, Virginia 22734 Mailing Address

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Recyc Systems, Inc County or City: LUNENBURG Co.

Landowner: CAROLYN H. WHITE

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.

2. Public Access
   a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
   b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
   c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.

3. Crop Restrictions:
   a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
   b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
   c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
   d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
   e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).

4. Livestock Access Restrictions:
   Following biosolids application to pasture or hayland sites:
   a. Meat producing livestock shall not be grazed for 30 days.
   b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
   c. Other animals shall be restricted from grazing for 30 days;

5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;

6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

Richard T. White Carolyn H. White 31 Aug 13

Landowner's Signature Date

Farm Operator Signature Mailing Address & Phone Number

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Landowner Coordination Form

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement-Biosolids and Industrial Residuals from original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee: Recyc Systems, Inc. Site Name: R. Tommy Hite, Sr.

County or City: Lunenburg Co.

Please Print Signature not required on this page

Tax Parcel ID(s)	Landowners (s)
TM37(A), Parcels 39,52,58,59,60, 61,62,63,64,64A,72,73,78,78A,79, 83,84,91 TM36(A), Parcel 68 TM48(A), Parcels 39,58 TM48(5), Parcels 1,3	Richard T., Sr. & Carolyn Hite
TM37(A), Parcels 53,55,56,57,80, 81A, 86 TM48(A), Parcel 133 TM36(A), Parcels 63 TM35A-11--03, Parcels 8,9,10,11, 12,13,14 TM35A-11-2-10A Parcel A TM35A-12-01,Parcels 9A-A,9A-B TM35A-12-02, Parcels 1,2,5,6 TM35A-12-A, Parcels 1,2	Richard T. Hite, Sr.

FARM DATA SHEET

SITE NAME:	R. Tommy Hite Site	**COUNTY:**	Lunenburg
OWNER:	Richard T., Sr. & Carolyn Hite	**OPERATOR:**	Richard T. Hite, Jr.
OWNER'S ADDRESS:	745 East 5th Avenue Kenbridge, VA 23944	**OPERATOR'S ADDRESS:**	9331 South Hill Road Kenbridge, VA 23944
OWNER'S TELEPHONE:	434-676-8569	**OPERATOR'S TELEPHONE:**	
GENERAL FARM TYPE:	Hay/Pasture	**CELL PHONE:**	434-294-2503
# CATTLE:	50+	**EMAIL:**	
LAGOON or SLURRY:	None	**LATITUDE/ LONGITUDE:**	1-21 36° 58' 55" 78° 03' 21"
TOPO QUAD:	Kenbridge East	**22**	36° 57' 41" 78° 05' 22"
COMMENTS:		23-24	36° 57' 28" 78° 06' 33"
		25-27	36° 56' 19" 78° 05' 38"
		28-30	36° 55' 13" 78° 05' 04"
			JBC

RECYC SYSTEMS, INC
FIELD DATA SHEET

Field Identification	Gross Acres	Environmentally Sensitive Soils				Hydro Map	Tax Map #	FSA Tract #
		Water Table	Bed Rock/Shallow	Surf/Leach	Freq Flood			
LUXTH 1	16.2	-	-	-	-	CU07	TM37(A), P91	T91 Field 1
LUXTH 2	13.2	-	-	-	-	CU07	TM37(A), P91	T91 Fields 2,3
LUXTH 3	115.5	6(Nov-Apr)	2D	-	6(Jan-Dec)	CU07	TM37(A), P91	T91 Fields 0,6,7,8,9
LUXTH 4	84.4	-	-	-	-	CU07	TM37(A), P91	T91 Fields 4,5
LUXTH 5	43.0	-	-	-	-	CU07	TM37(A), P86	T231 Fields 1,2,3
LUXTH 6	21.0	-	-	-	-	CU07	TM37(A), P84	T231/3159 Fields 2,4/1
LUXTH 7	19.2	-	-	-	-	CU07	TM37(A), P83,83,81,81A	T155 Fields 1,0
LUXTH 8	18.7	-	-	-	-	CU07	TM37(A), P83,84	T155 Field 1
LUXTH 9	9.7	-	-	-	-	CU07	TM37(A), P80,83	T155 Field 6
LUXTH 10	15.1	7(Jan-Apr)	-	-	7(Jan-Apr)	CU07	TM37(A), P 80,81	T45 Fields 8,9
LUXTH 11	11.1	-	-	-	-	CU07	TM37(A), P55,56	T189/45 Fields 1/10
LUXTH 12	42.6	-	-	-	-	CU07	TM37(A), P61,62,79	T 45 Fields 15,16

RECYC SYSTEMS, INC
FIELD DATA SHEET

Field Identification	Gross Acres	Environmentally Sensitive Soils				Hydro Map	Tax Map #	FSA Tract #
		Water Table	Bed Rock/Shallow	Surf/Leach	Freq Flood			
LUXTH 13	25.5	6(Nov-Apr)	-	-	6(Jan-Dec)	CU07	TM37(A), P73,78,78A	T451 Field 1
LUXTH 14	23.1	-	-	-	-	CU07	TM37(A),P78	T451 Fields 3,4
LUXTH 15	21.1	-	-	-	-	CU07	TM37(A),P78	T451 Field 5
LUXTH 16	25.9	-	-	-	-	CU07	TM37(A), P73,78	T451 Fields 6,7
LUXTH 17	63.0	-	-	-	-	CU07	TM37(A), P39,60	T5 Field 7
LUXTH 18	31.1	-	-	-	-	CU07	TM37(A), P58,59	T295 Field 1
LUXTH 19	26.2	-	-	-	-	CU07	TM37(A), P39	T5 Field 6
LUXTH 20	23.5	-	-	-	-	CU07	TM37(A), P39	T5 Fields 1,5,8
LUXTH 21	25.0	-	-	-	-	CU07	TM37(A), P39	T5 Fields 3,4,10
LUXTH 22	24.5	-	-	-	-	CU07	TM36(A), P68	T270 Fields 1,2,3

RECYC SYSTEMS, INC
FIELD DATA SHEET

Field Identification	Gross Acres	Environmentally Sensitive Soils				Hydro Map	Tax Map #	FSA Tract #
		Water Table	Bed Rock/Shallow	Surf/Leach	Freq Flood			
LUXTH 23	23.3	6(Nov-Apr) 10B(Jan-Apr) 24B(Nov-Apr)	-	-	6(Jan-Dec)	CU07	TM36(A), P63	T189 Field 2
LUXTH 24	45.9	10B(Jan-Apr) 24B(Nov-Apr)	-	-	-	CU07	TM48(A), P133	T332 Fields 1,2,3,4,5
LUXTH 25	25.4	-	-	-		CM10	TM48(A), P39	T312 Field 1
LUXTH 26	6.1	24B(Nov-Apr)	-	-	-	CM10	TM48(A), P39	T312 Field 4
LUXTH 27	12	-	-	-	-	CM10	TM48(A), P39	T312 Fields 5,6
LUXTH 28	25.9	-	-	-	-	CM11	TM48(5), P1	T1438 Fields 3,8,9,10
LUXTH 29	10.5	24B(Nov-Apr)	-	-	-	CM11	TM48(5), P3 TM48(A), P58	T1438/16290 Field1,2,13/11
LUXTH 30	23.3		-	-	-	CM11	TM48(5), P1,3	T1438 Fields 5,7
TOTAL ACRES IN SITE	871.0							

Report Number: 13-172-0547
Account Number: 70594

www.aleastern.com

A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
R TOMMY HITE SR/LURTH
LUNENBURG COUNTY

Submitted By: CHARLES CARLO
Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich 3

Date Received: 06/21/2013 **Date Of Analysis:** 06/24/2013 **Date Of Report:** 06/25/2013

Sample ID / Field ID	Lab Number	Organic Matter			Phosphorus				Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C
		%	Rate	ENR lbs/A	Mehlich 3 ppm	Rat	Reserve ppm	Rate	K ppm	Rate	Mg ppm	Rate	Ca ppm	Rate	Na ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
1	11227	3.3	M	105	57	H			207	VH	179	H	698	L			5.3	6.68	2.5	8.0
2	11228	2.9	M	99	90	H			138	H	137	H	642	M			5.5	6.77	1.6	6.3
3A	11229	2.7	M	91	72	H			67	L	165	H	649	L			4.8	6.51	4.2	9.0
3B	11230	2.7	M	98	21	L			87	M	49	M	239	VL			4.6	6.71	2.2	4.0
3C	11231	2.6	M	97	69	H			95	H	56	M	243	L			4.9	6.78	1.5	3.4

Sample ID / Field ID	Percent Base Saturation					Nitrate		Sulfur		Zinc		Manganese		Iron		Copper		Boron		Soluble Salts		Chloride		Aluminum
	K %	Mg %	Ca %	Na %	H %	NO_3N ppm	Rate	S ppm	Rate	Zn ppm	Rate	Mn ppm	Rate	Fe ppm	Rate	Cu ppm	Rate	B ppm	Rate	SS ms/cm	Rate	Cl ppm	Rate	Al ppm
1	6.6	18.6	43.6		31.0																			
2	5.6	18.1	51.0		25.9																			
3A	1.9	15.3	36.1		46.4																			
3B	5.6	10.2	29.9		54.5																			
3C	7.2	13.7	35.7		44.3																			

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: Pauric McGroary

Pauric McGroary

Report Number: 13-172-0547
Account Number: 70594

www.aleastern.com

A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
R TOMMY HITE SR/LURTH
LUNENBURG COUNTY

Submitted By: CHARLES CARLO
Farm ID:

Date Received: 06/21/2013
Date Of Report: 06/25/2013

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P_2O_5 lb/A	Potash K_2O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
1	Adjust pH to 6.8	0	2.5				0						
2	Adjust pH to 6.8	0	2.0				00						
3A	Adjust pH to 6.8	0	3.4				0						
3B	Adjust pH to 6.8	0	2.3				31						
3C	Adjust pH to 6.8	0	2.0				24						

Comments:

Sample(s) : 3B,3C Crop: Adjust pH to 6.8

Apply dolomitic lime to raise pH and improve the magnesium level.

If dolomitic lime is not used, apply required magnesium with magnesium oxide. Epsom Salts, K-Mag or Sul-PO-Mag.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

Pauric McGroary

Report Number: 13-172-0547
Account Number: 70594

www.aleastern.com

A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
R TOMMY HITE SR/LURTH
LUNENBURG COUNTY

Submitted By: CHARLES CARLO
Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich 3

Date Received: 06/21/2013 **Date Of Analysis:** 06/24/2013 **Date Of Report:** 06/25/2013

Sample ID / Field ID	Lab Number	Organic Matter			Phosphorus			Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C
		%	Rate	ENR lbs/A	Mehlich 3 ppm	Rat	Rate	Reserve ppm	Rate	K ppm	Rate	Mg ppm	Rate	Ca ppm	Rate	Na ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
3D	11232	3.1	M	102	3		VL			150	H	116	M	713	M			5.4	6.74	1.9	6.9
4A	11233	3.0	M	101	18		L			118	M	116	H	436	L			4.9	6.66	2.7	6.1
4B	11234	2.3	L	91	24		L			46	L	46	M	438	M			5.5	6.84	0.9	3.6
4C	11235	1.9	L	79	2		VL			60	L	164	H	787	M			6.0	6.83	1.0	6.4
5A	11236	2.4	L	90	60		H			81	L	116	H	622	M			5.5	6.78	1.5	5.8

Sample ID / Field ID	Percent Base Saturation					Nitrate		Sulfur		Zinc		Manganese		Iron		Copper		Boron		Soluble Salts		Chloride		Aluminum
	K %	Mg %	Ca %	Na %	H %	NO_3N ppm	Rate	S ppm	Rate	Zn ppm	Rate	Mn ppm	Rate	Fe ppm	Rate	Cu ppm	Rate	B ppm	Rate	SS ms/cm	Rate	Cl ppm	Rate	Al ppm
3D	5.6	14.0	51.7		28.1																			
4A	5.0	15.8	35.7		44.3																			
4B	3.3	10.6	60.8		25.9																			
4C	2.4	21.4	61.5		15.5																			
5A	3.6	16.7	53.6		25.6																			

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: Pauric McGroary

Pauric McGroary

Report Number: 13-172-0547
Account Number: 70594

www.aleastern.com

A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
R TOMMY HITE SR/LURTH
LUNENBURG COUNTY

Submitted By: CHARLES CARLO
Farm ID:

Date Received: 06/21/2013
Date Of Report: 06/25/2013

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P_2O_5 lb/A	Potash K_2O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
3D	Adjust pH to 6.8	0	2.3				0						
4A	Adjust pH to 6.8	0	2.5				0						
4B	Adjust pH to 6.8	0	1.8				34						
4C	Adjust pH to 6.8	0	1.3				0						
5A	Adjust pH to 6.8	0	2.0				0						

Comments:

Sample(s) : 4B Crop: Adjust pH to 6.8

Apply dolomitic lime to raise pH and improve the magnesium level.

If dolomitic lime is not used, apply required magnesium with magnesium oxide. Epsom Salts, K-Mag or Sul-PO-Mag.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

Pauric McGroary

Report Number: 13-172-0547
Account Number: 70594

www.aleastern.com

A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
R TOMMY HITE SR/LURTH
LUNENBURG COUNTY

Submitted By: CHARLES CARLO
Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich 3

Date Received: 06/21/2013 **Date Of Analysis:** 06/24/2013 **Date Of Report:** 06/25/2013

Sample ID / Field ID	Lab Number	Organic Matter			Phosphorus				Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C
		%	Rate	ENR lbs/A	Mehlich 3 ppm	Rat	Reserve ppm	Rate	K ppm	Rate	Mg ppm	Rate	Ca ppm	Rate	Na ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
5B	11237	2.6	M	88	6	VL			215	VH	225	H	927	L			5.4	6.65	2.8	9.9
6	11238	1.5	L	73	108	H			30	VL	86	M	598	M			5.7	6.83	1.0	4.8
7	11239	2.7	M	99	45	M			77	M	73	H	288	L			5.2	6.81	1.2	3.4
8	11240	2.7	M	93	27	L			42	VL	200	H	920	M			5.8	6.78	1.5	7.9
9	11241	2.0	L	80	24	L			36	VL	184	H	834	M			6.0	6.82	1.1	6.9

Sample ID / Field ID	Percent Base Saturation					Nitrate		Sulfur		Zinc		Manganese		Iron		Copper		Boron		Soluble Salts		Chloride		Aluminum
	K %	Mg %	Ca %	Na %	H %	NO_3N ppm	Rate	S ppm	Rate	Zn ppm	Rate	Mn ppm	Rate	Fe ppm	Rate	Cu ppm	Rate	B ppm	Rate	SS ms/cm	Rate	Cl ppm	Rate	Al ppm
5B	5.6	18.9	46.8		28.2																			
6	1.6	14.9	62.3		21.0																			
7	5.8	17.9	42.4		34.2																			
8	1.4	21.1	58.2		19.0																			
9	1.3	22.2	60.4		15.3																			

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: Pauric McGroary

Pauric McGroary

Report Number: 13-172-0547
Account Number: 70594

www.aleastern.com

A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
R TOMMY HITE SR/LURTH
LUNENBURG COUNTY

Submitted By: CHARLES CARLO
Farm ID:

Date Received: 06/21/2013
Date Of Report: 06/25/2013

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P_2O_5 lb/A	Potash K_2O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
5B	Adjust pH to 6.8	0	2.8				0						
6	Adjust pH to 6.8	0	1.5				0						
7	Adjust pH to 6.8	0	1.8				7						
8	Adjust pH to 6.8	0	1.8				0						
9	Adjust pH to 6.8	0	1.3				0						

Comments:

Sample(s) : 6 Crop: Adjust pH to 6.8

Apply dolomitic lime to raise pH and improve the magnesium level.

Sample(s) : 7 Crop: Adjust pH to 6.8

If dolomitic lime is not used, apply required magnesium with magnesium oxide. Epsom Salts, K-Mag or Sul-PO-Mag.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

Pauric McGroary

Pauric McGroary

Report Number: 13-172-0547
Account Number: 70594

www.aleastern.com

A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6448

Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
R TOMMY HITE SR/LURTH
LUNENBURG COUNTY

Submitted By: CHARLES CARLO
Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich 3

Date Received: 06/21/2013 **Date Of Analysis:** 06/24/2013 **Date Of Report:** 06/25/2013

Sample ID / Field ID	Lab Number	Organic Matter			Phosphorus		Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C
		%	Rate	ENR lbs/A	Mehlich 3 ppm Rat	Rate Reserve ppm	Rate K ppm	Rate	Mg ppm	Rate	Ca ppm	Rate	Na ppm	Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
10	11242	2.4	L	87	18	L	42	VL	202	H	888	M			5.8	6.78	1.5	7.7
11	11243	1.4	L	67	18	L	71	L	177	H	545	L			5.0	6.63	3.0	7.4
12	11244	1.8	L	77	6	VL	120	M	144	H	411	L			4.9	6.65	2.8	6.4
13	11245	1.9	L	79	24	L	181	H	89	M	422	L			4.8	6.64	2.9	6.2

Sample ID / Field ID	Percent Base Saturation					Nitrate		Sulfur		Zinc		Manganese		Iron		Copper		Boron		Soluble Salts		Chloride		Aluminum
	K %	Mg %	Ca %	Na %	H %	NO_3N ppm	Rate	S ppm	Rate	Zn ppm	Rate	Mn ppm	Rate	Fe ppm	Rate	Cu ppm	Rate	B ppm	Rate	SS ms/cm	Rate	Cl ppm	Rate	Al ppm
10	1.4	21.9	57.7		19.0																			
11	2.5	19.9	36.8		41.0																			
12	4.8	18.8	32.1		43.6																			
13	7.5	12.0	34.0		46.6																			

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: Pauric McGroary

Pauric McGroary

Report Number: 13-172-0547
Account Number: 70594

www.aleastern.com

A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6448

Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
R TOMMY HITE SR/LURTH
LUNENBURG COUNTY

Submitted By: CHARLES CARLO
Farm ID:

Date Received: 06/21/2013
Date Of Report: 06/25/2013

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P_2O_5 lb/A	Potash K_2O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
10	Adjust pH to 6.8	0	1.8				0						
11	Adjust pH to 6.8	0	2.8				0						
12	Adjust pH to 6.8	0	2.8				0						
13	Adjust pH to 6.8	0	2.8				0						

Comments:

Sample(s) : 13 Crop: Adjust pH to 6.8

Apply dolomitic lime to raise pH and improve the magnesium level.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

Pauric McGroary

Report Number: 13-172-0601
Account Number: 70594

www.aleastern.com

A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
R. TOMMY HITE SR
LUNENBURG CO

Submitted By: CHARLES CARLO
Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich 3

Date Received: 06/21/2013 **Date Of Analysis:** 06/24/2013 **Date Of Report:** 06/25/2013

Sample ID / Field ID	Lab Number	Organic Matter %	Organic Matter Rate	Organic Matter ENR lbs/A	Phosphorus Mehlich 3 ppm	Phosphorus Mehlich 3 Rate	Phosphorus Reserve ppm	Phosphorus Reserve Rate	Potassium K ppm	Potassium K Rate	Magnesium Mg ppm	Magnesium Mg Rate	Calcium Ca ppm	Calcium Ca Rate	Sodium Na ppm	Sodium Na Rate	pH Soil pH	pH Buffer Index	Acidity H meq/100g	C.E.C meq/100g
14 LURT H	11255	5.1	H	137	15	L			145	H	247	H	1030	M			5.5	6.67	2.6	10.2
15 LURT H	11256	3.0	M	103	33	M			35	VL	60	M	465	L			5.1	6.75	1.8	4.7
16 LURT H	11257	3.8	M	116	75	H			187	VH	92	M	582	L			5.1	6.68	2.5	6.7
17 LURT H	11258	3.9	M	120	24	L			149	H	138	H	614	M			5.7	6.81	1.2	5.8
18 LURT H	11259	2.0	L	83	18	L			83	M	132	H	593	M			6.1	6.86	0.7	5.0

Sample ID / Field ID	Percent Base Saturation K %	Mg %	Ca %	Na %	H %	Nitrate NO_3N ppm	Nitrate Rate	Sulfur S ppm	Sulfur Rate	Zinc Zn ppm	Zinc Rate	Manganese Mn ppm	Manganese Rate	Iron Fe ppm	Iron Rate	Copper Cu ppm	Copper Rate	Boron B ppm	Boron Rate	Soluble Salts SS ms/cm	Soluble Salts Rate	Chloride Cl ppm	Chloride Rate	Aluminum Al ppm
14 LURT H	3.6	20.2	50.5		25.8																			
15 LURT H	1.9	10.6	49.5		37.3																			
16 LURT H	7.2	11.4	43.4		37.3																			
17 LURT H	6.6	19.8	52.9		21.2																			
18 LURT H	4.3	22.0	69.3		13.6																			

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: Pauric McGroary

Pauric McGroary

Report Number: 13-172-0601
Account Number: 70594

www.aleastern.com

A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
R. TOMMY HITE SR
LUNENBURG CO

Submitted By: CHARLES CARLO
Farm ID:

Date Received: 06/21/2013
Date Of Report: 06/25/2013

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P_2O_5 lb/A	Potash K_2O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
14 LURTH	Adjust pH to 6.8	0	2.5				0						
15 LURTH	Adjust pH to 6.8	0	2.3				20						
16 LURTH	Adjust pH to 6.8	0	2.5				0						
17 LURTH	Adjust pH to 6.8	0	1.5				0						
18 LURTH	Adjust pH to 6.8	0	1.3				0						

Comments:

Sample(s) : 15 Crop: Adjust pH to 6.8

If dolomitic lime is not used, apply required magnesium with magnesium oxide. Epsom Salts, K-Mag or Sul-PO-Mag.

Sample(s) : 15,16 Crop: Adjust pH to 6.8

Apply dolomitic lime to raise pH and improve the magnesium level.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

Pauric McGroary

Pauric McGroary

Report Number: 13-172-0601
Account Number: 70594

www.aleastern.com

A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
R. TOMMY HITE SR
LUNENBURG CO

Submitted By: CHARLES CARLO
Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich 3

Date Received: 06/21/2013 **Date Of Analysis:** 06/24/2013 **Date Of Report:** 06/25/2013

Sample ID / Field ID	Lab Number	Organic Matter			Phosphorus				Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C
		%	Rate	ENR lbs/A	Mehlich 3 ppm	Mehlich 3 Rate	Reserve ppm	Reserve Rate	K ppm	K Rate	Mg ppm	Mg Rate	Ca ppm	Ca Rate	Na ppm	Na Rate	Soil pH	Buffer Index	H meq/100g	meq/100g
19 LURTH	11260	5.7	H	147	63	H			181	H	310	H	1554	M			6.3	6.80	1.3	12.1
20 LURTH	11261	4.4	M	124	84	H			209	VH	277	H	1159	M			6.4	6.85	0.8	9.5
21 LURTH	11263	5.8	H	150	105	H			91	L	283	H	1149	M			5.8	6.73	2.0	10.3
22 LURTH	11264	1.9	L	81	164	VH			70	M	104	H	529	M			5.5	6.80	1.3	5.0
23 LURTH	11285	1.5	L	75	217	VH			87	M	41	L	209	VL			4.6	6.74	1.9	3.5

Sample ID / Field ID	Percent Base Saturation					Nitrate		Sulfur		Zinc		Manganese		Iron		Copper		Boron		Soluble Salts		Chloride		Aluminum
	K %	Mg %	Ca %	Na %	H %	NO_3N ppm	NO_3N Rate	S ppm	S Rate	Zn ppm	Zn Rate	Mn ppm	Mn Rate	Fe ppm	Fe Rate	Cu ppm	Cu Rate	B ppm	B Rate	SS ms/cm	SS Rate	Cl ppm	Cl Rate	Al ppm
19 LURTH	1.8	21.3	64.2		10.5																			
20 LURTH	5.6	24.3	61.0		8.9																			
21 LURTH	2.3	22.9	55.8		19.0																			
22 LURTH	3.6	17.3	52.9		25.6																			
23 LURTH	6.4	9.8	29.9		54.9																			

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: Pauric McGroary

Pauric McGroary

Report Number: 13-172-0601
Account Number: 70594

www.aleastern.com

A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
R. TOMMY HITE SR
LUNENBURG CO

Submitted By: CHARLES CARLO
Farm ID:

Date Received: 06/21/2013
Date Of Report: 06/25/2013

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P_2O_5 lb/A	Potash K_2O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
19 LURTH	Adjust pH to 6.8	0	1.3				0						
20 LURTH	Adjust pH to 6.8	0	1.0				0						
21 LURTH	Adjust pH to 6.8	0	2.0				0						
22 LURTH	Adjust pH to 6.8	0	2.0				0						
23 LURTH	Adjust pH to 6.8	0	2.3				39						

Comments:

Sample(s) : 23 Crop: Adjust pH to 6.8

Apply dolomitic lime to raise pH and improve the magnesium level.

If dolomitic lime is not used, apply required magnesium with magnesium oxide. Epsom Salts, K-Mag or Sul-PO-Mag.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

Pauric McGroary

Report Number: 13-172-0601
Account Number: 70594

www.aleastern.com

A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
R. TOMMY HITE SR
LUNENBURG CO

Submitted By: CHARLES CARLO
Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich 3

Date Received: 06/21/2013 **Date Of Analysis:** 06/24/2013 **Date Of Report:** 06/25/2013

Sample ID / Field ID	Lab Number	Organic Matter			Phosphorus				Potassium		Magnesium		Calcium		Sodium		pH		Acidity	C.E.C
					Mehlich 3		Reserve		K		Mg		Ca		Na		Soil	Buffer	H	
		%	Rate	ENR lbs/A	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	pH	Index	meq/100g	meq/100g
24 LURTH	11266	2.7	M	93	129	VH			76	L	120	H	593	M			5.7	6.82	1.1	5.3
25A LURTH	11267	0.9	VL	66	123	VH			37	VL	35	H	196	M			5.5	6.88	0.5	1.8
25B LURTH	11268	1.2	L	70	152	VH			44	L	35	L	251	L			4.9	6.80	1.3	3.0
26 LURTH	11269	1.4	L	72	135	VH			71	M	59	M	311	L			4.8	6.74	1.9	4.2
27 LURTH	11270	1.9	L	80	66	H			108	M	54	L	318	VL			4.5	6.61	3.2	5.5

Sample ID / Field ID	Percent Base Saturation					Nitrate		Sulfur		Zinc		Manganese		Iron		Copper		Boron		Soluble Salts		Chloride		Aluminum
	K	Mg	Ca	Na	H	NO_3N		S		Zn		Mn		Fe		Cu		B		SS		Cl		Al
	%	%	%	%	%	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ppm	Rate	ms/cm	Rate	ppm	Rate	ppm
24 LURTH	3.7	18.9	55.9		21.0																			
25A LURTH	5.3	16.2	54.4		26.3																			
25B LURTH	3.8	9.7	41.8		43.3																			
26 LURTH	4.3	11.7	37.0		46.3																			
27 LURTH	5.0	8.2	28.9		58.3																			

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: Pauric McGroary

Pauric McGroary

Report Number: 13-172-0601
Account Number: 70594

www.aleastern.com

A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
R. TOMMY HITE SR
LUNENBURG CO

Submitted By: CHARLES CARLO
Farm ID:

Date Received: 06/21/2013
Date Of Report: 06/25/2013

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P_2O_5 lb/A	Potash K_2O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
24 LURTH	Adjust pH to 6.8	0	1.5				0						
25A LURTH	Adjust pH to 6.8	0	1.8				45						
25B LURTH	Adjust pH to 6.8	0	2.0				45						
26 LURTH	Adjust pH to 6.8	0	2.3				21						
27 LURTH	Adjust pH to 6.8	0	2.8				26						

Comments:

Sample(s) : 25A,25B,26,27 Crop: Adjust pH to 6.8

If dolomitic lime is not used, apply required magnesium with magnesium oxide. Epsom Salts, K-Mag or Sul-PO-Mag.

Sample(s) : 25B,26,27 Crop: Adjust pH to 6.8

Apply dolomitic lime to raise pH and improve the magnesium level.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

Pauric McGroary

Pauric McGroary

Report Number: 13-172-0601
Account Number: 70594

www.aleastern.com

A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
R. TOMMY HITE SR
LUNENBURG CO

Submitted By: CHARLES CARLO
Farm ID:

SOIL ANALYSIS REPORT

Analytical Method(s):
Mehlich 3

Date Received: 06/21/2013 **Date Of Analysis:** 06/24/2013 **Date Of Report:** 06/25/2013

Sample ID / Field ID	Lab Number	Organic Matter %	Organic Matter Rating	ENR lbs/A	Phosphorus Mehlich 3 ppm	Phosphorus Mehlich 3 Rating	Phosphorus Reserve ppm	Phosphorus Reserve Rating	Potassium K ppm	Potassium K Rating	Magnesium Mg ppm	Magnesium Mg Rating	Calcium Ca ppm	Calcium Ca Rating	Sodium Na ppm	Sodium Na Rating	pH Soil pH	pH Buffer Index	Acidity H meq/100g	C.E.C meq/100g
28 LURTH	11271	1.6	L	78	127	VH			73	M	51	M	217	L			5.0	6.81	1.2	2.9
29 LURTH	11272	1.9	L	63	152	VH			85	M	56	M	264	L			4.9	6.77	1.6	3.6
30 LURTH	11273	1.1	L	63	06	H			85	L	90	M	466	L			4.7	6.60	3.3	6.6

Sample ID / Field ID	Percent Base Saturation K %	Mg %	Ca %	Na %	H %	Nitrate NO_3N ppm	Nitrate Rating	Sulfur S ppm	Sulfur Rating	Zinc Zn ppm	Zinc Rating	Manganese Mn ppm	Manganese Rating	Iron Fe ppm	Iron Rating	Copper Cu ppm	Copper Rating	Boron B ppm	Boron Rating	Soluble Salts SS ms/cm	Soluble Salts Rating	Chloride Cl ppm	Chloride Rating	Aluminum Al ppm
28 LURTH	6.5	14.7	37.4		40.5																			
29 LURTH	6.1	13.0	36.7		43.6																			
30 LURTH	3.3	11.4	35.3		50.0																			

Values on this report represent the plant available nutrients in the soil. Rating after each value: VL (Very Low), L (Low), M (Medium), H (High), VH (Very High). ENR - Estimated Nitrogen Release. C.E.C. - Cation Exchange Capacity.

Explanation of symbols: % (percent), ppm (parts per million), lbs/A (pounds per acre), ms/cm (milli-mhos per centimeter), meq/100g (milli-equivalent per 100 grams). Conversions: ppm x 2 = lbs/A, Soluble Salts ms/cm x 640 = ppm.

This report applies to sample(s) tested. Samples are retained a maximum of thirty days after testing.

Analysis prepared by: A&L Eastern Laboratories, Inc.

by: Pauric McGroary

Pauric McGroary

Report Number: 13-172-0601
Account Number: 70594

www.aleastern.com

A&L Eastern Laboratories

7621 Whitepine Road Richmond, Virginia 23237 (804) 743-9401 Fax (804) 271-6446

Send To: RECYC SYSTEMS INC
SUSAN TRUMBO
8455 WHITESHOP RD
CULPEPER VA 22701

Grower:
R. TOMMY HITE SR
LUNENBURG CO

Submitted By: CHARLES CARLO
Farm ID:

Date Received: 06/21/2013
Date Of Report: 06/25/2013

SOIL FERTILITY RECOMMENDATIONS

Sample ID Field ID	Intended Crop	Yield Goal	Lime Tons/A	Nitrogen N lb/A	Phosphate P_2O_5 lb/A	Potash K_2O lb/A	Magnesium Mg lb/A	Sulfur S lb/A	Zinc Zn lb/A	Manganese Mn lb/A	Iron Fe lb/A	Copper Cu lb/A	Boron B lb/A
28 LURTH	Adjust pH to 6.8	0	1.8				29						
29 LURTH	Adjust pH to 6.8	0	2.0				24						
30 LURTH	Adjust pH to 6.8	0	2.6				0						

Comments:

Sample(s) : 29 Crop: Adjust pH to 6.8

If dolomitic lime is not used, apply required magnesium with magnesium oxide. Epsom Salts, K-Mag or Sul-PO-Mag.

Sample(s) : 29,30 Crop: Adjust pH to 6.8

Apply dolomitic lime to raise pH and improve the magnesium level.

"The recommendations are based on research data and experience, but NO GUARANTEE or WARRANTY expressed or implied, concerning crop performance is made."

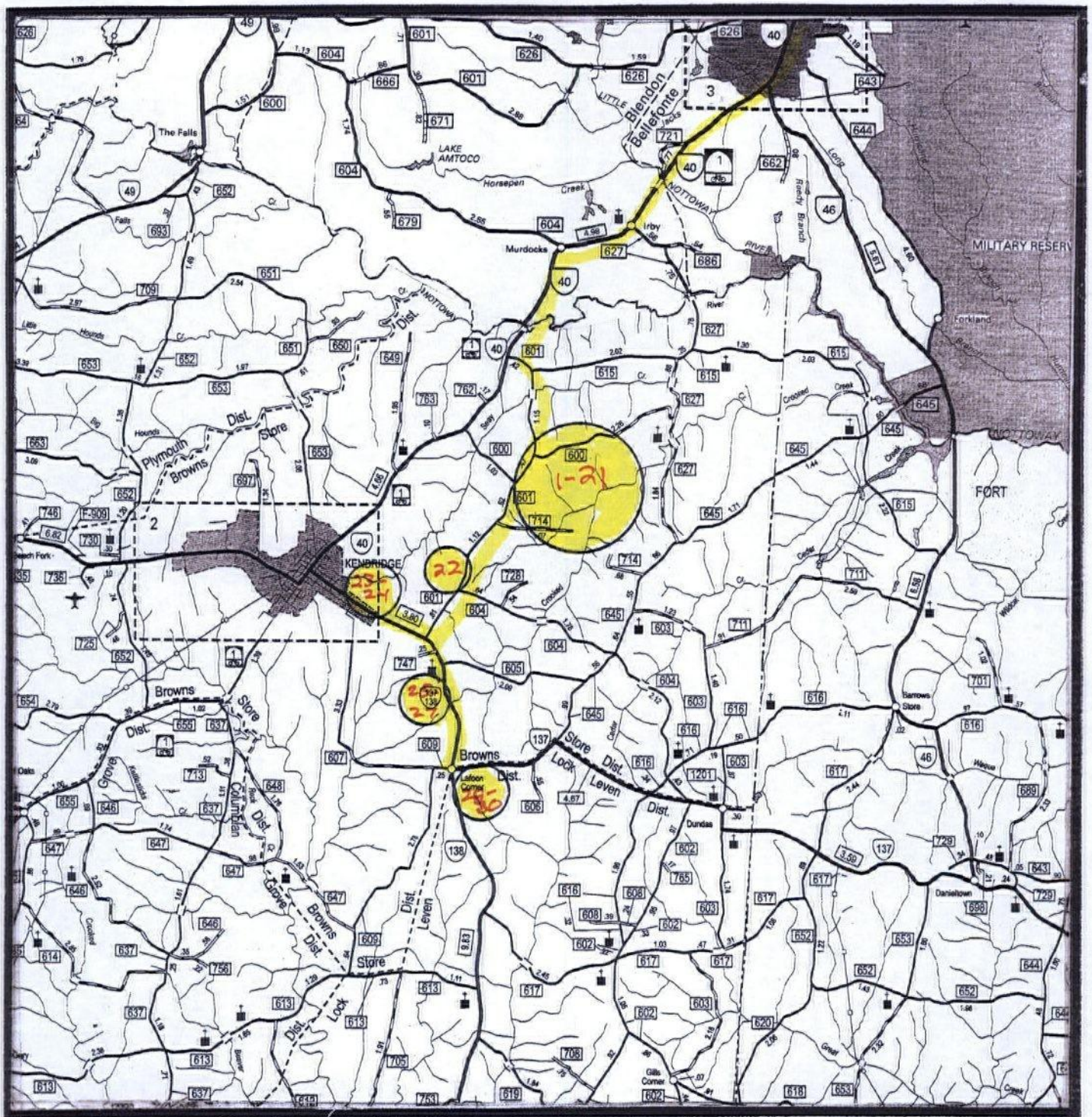
Pauric McGroary

Pauric McGroary

MAPS

Recyc Systems™ Inc.

(Biosolids Land Application)



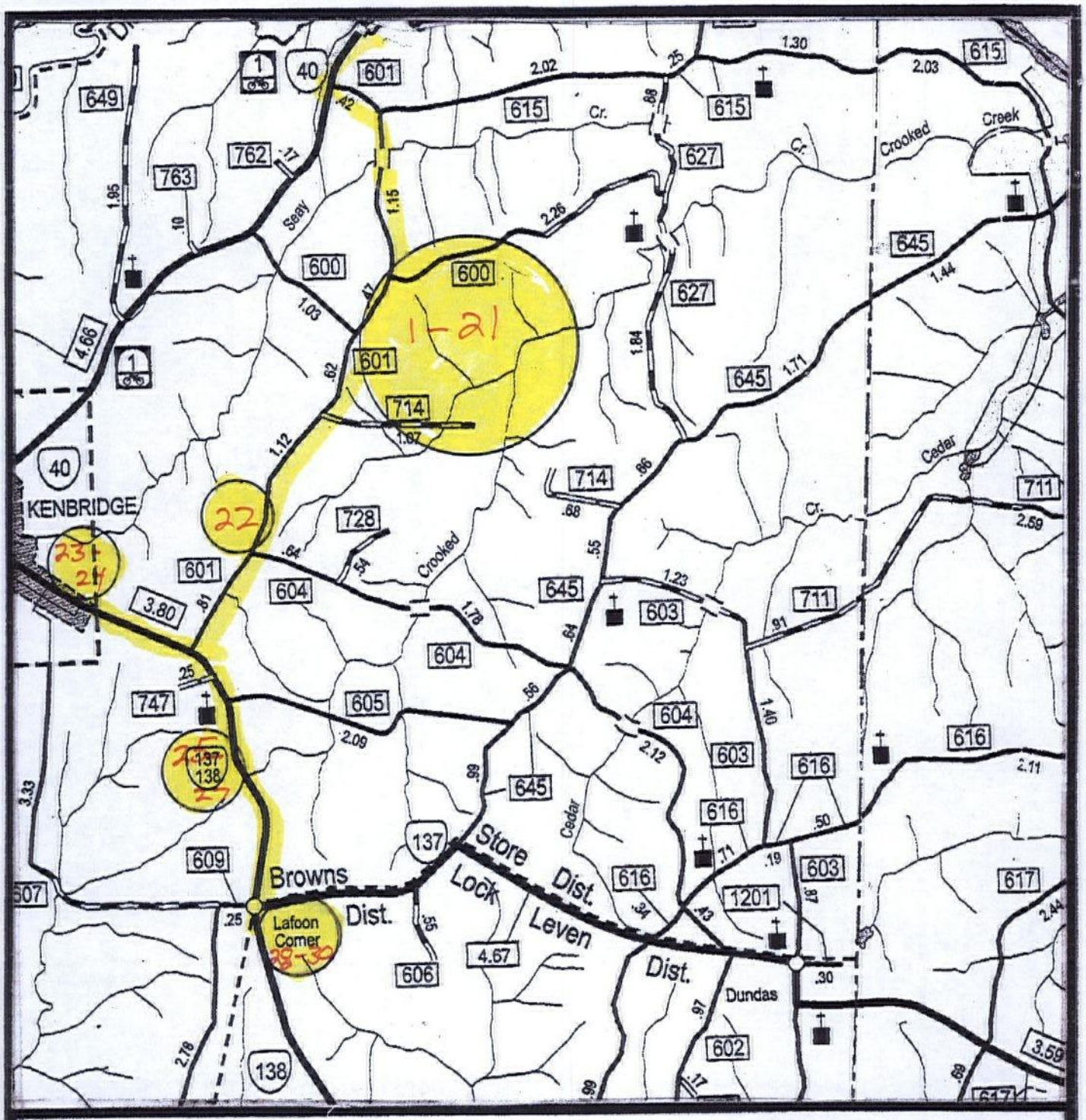
Scale: 1inch = 2 miles

LUXTH 1-30

VICINITY MAP

N

Recyc Systems™ Inc. (Biosolids Land Application)

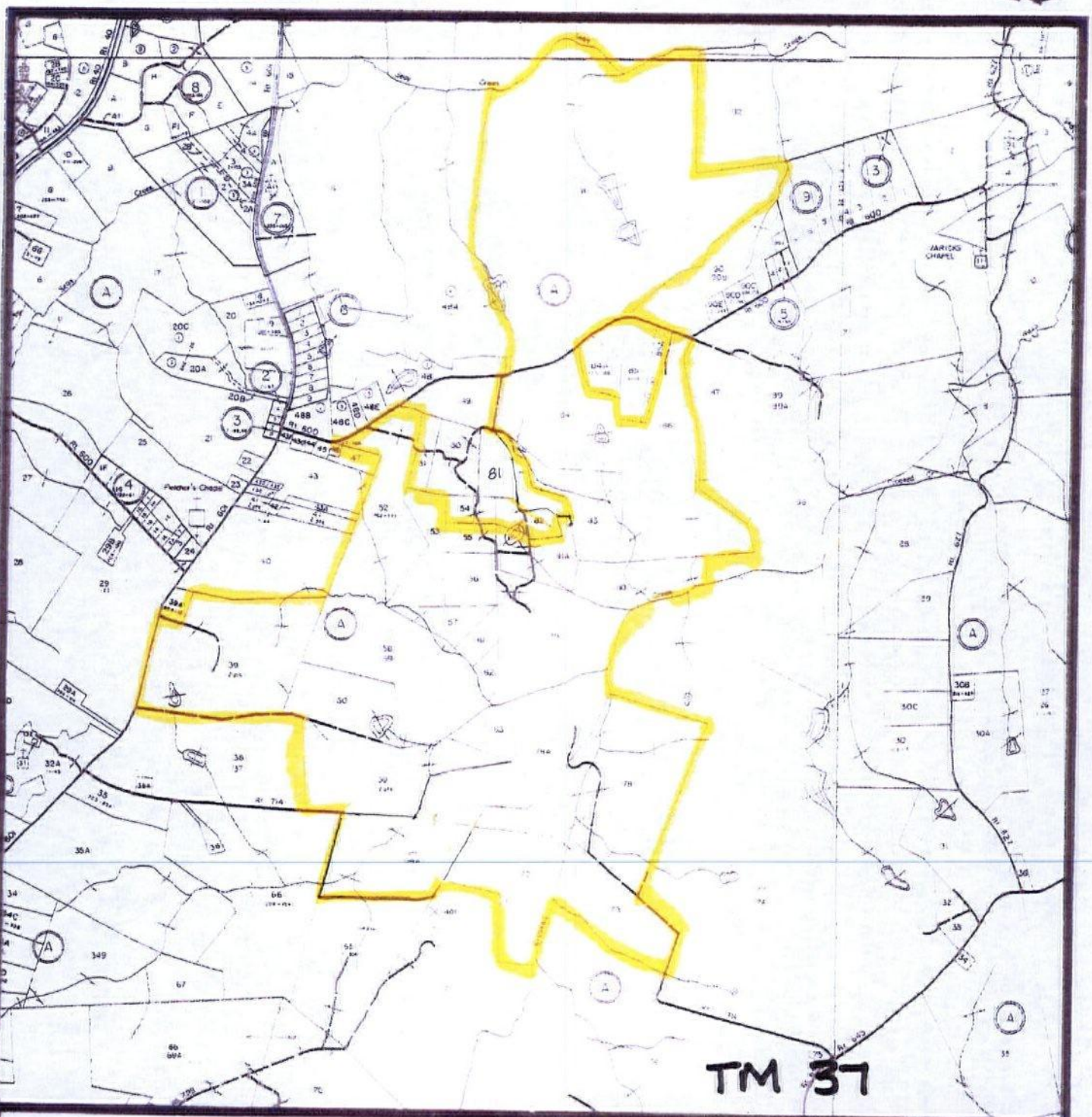


VICINITY MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)



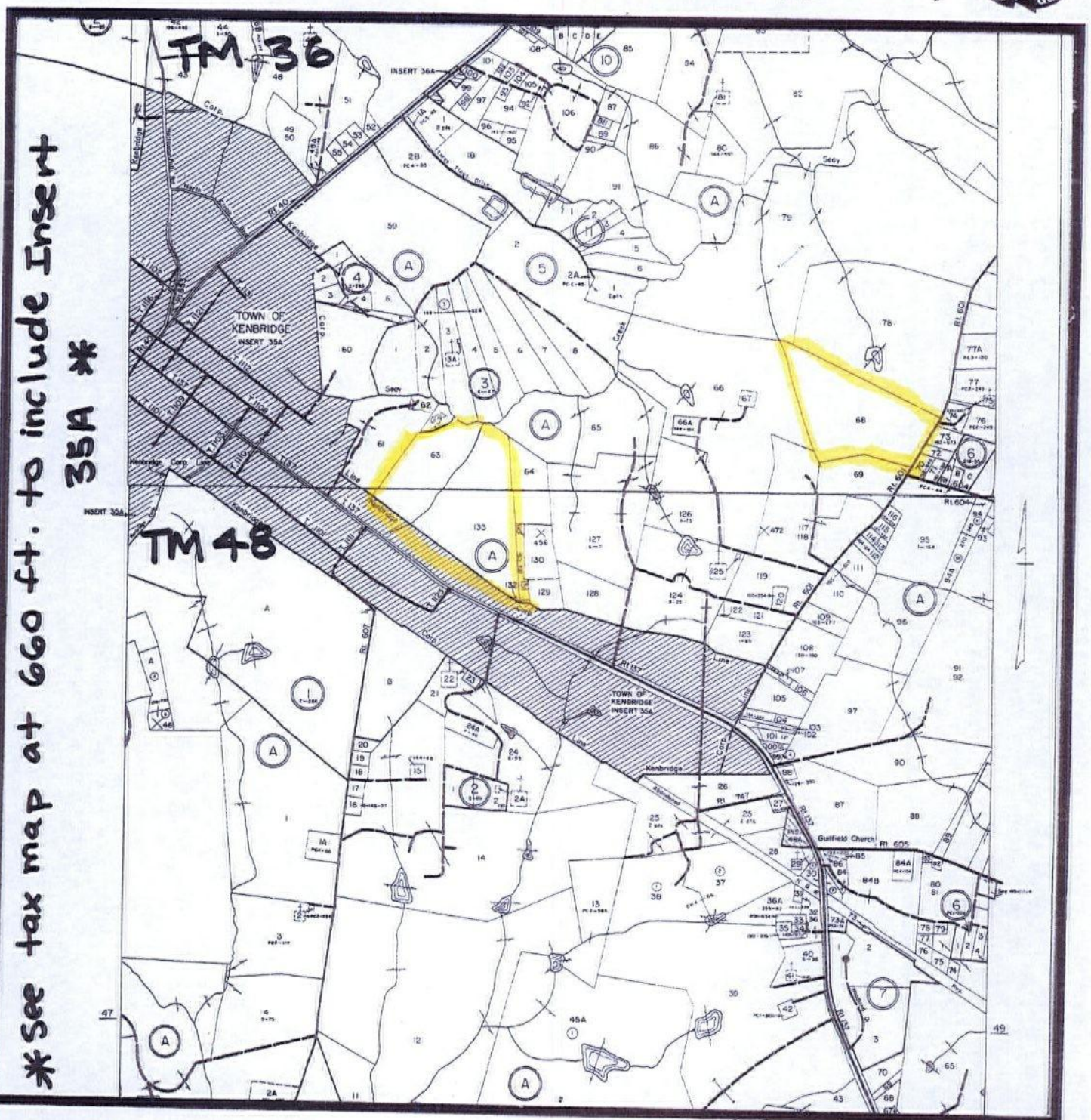
Scale: 1 inch = 2,000 feet LUXTH 1-21

TAX MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)



*See tax map at 660 ft. to include Insert 35A *

Scale: 1inch = 2,000 feet

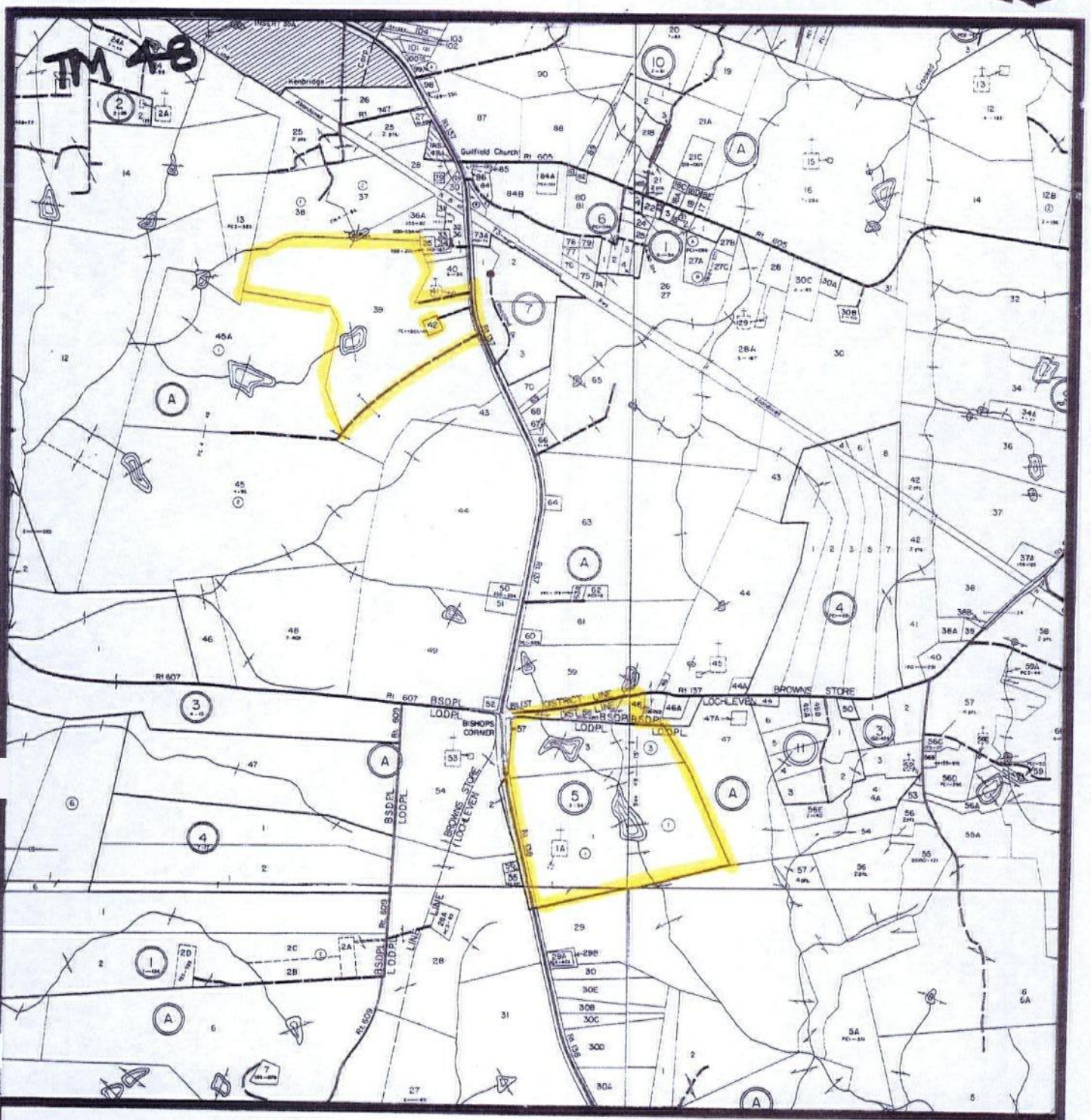
LUXTH 22-24

TAX MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)



Scale: 1inch = 2,000 feet

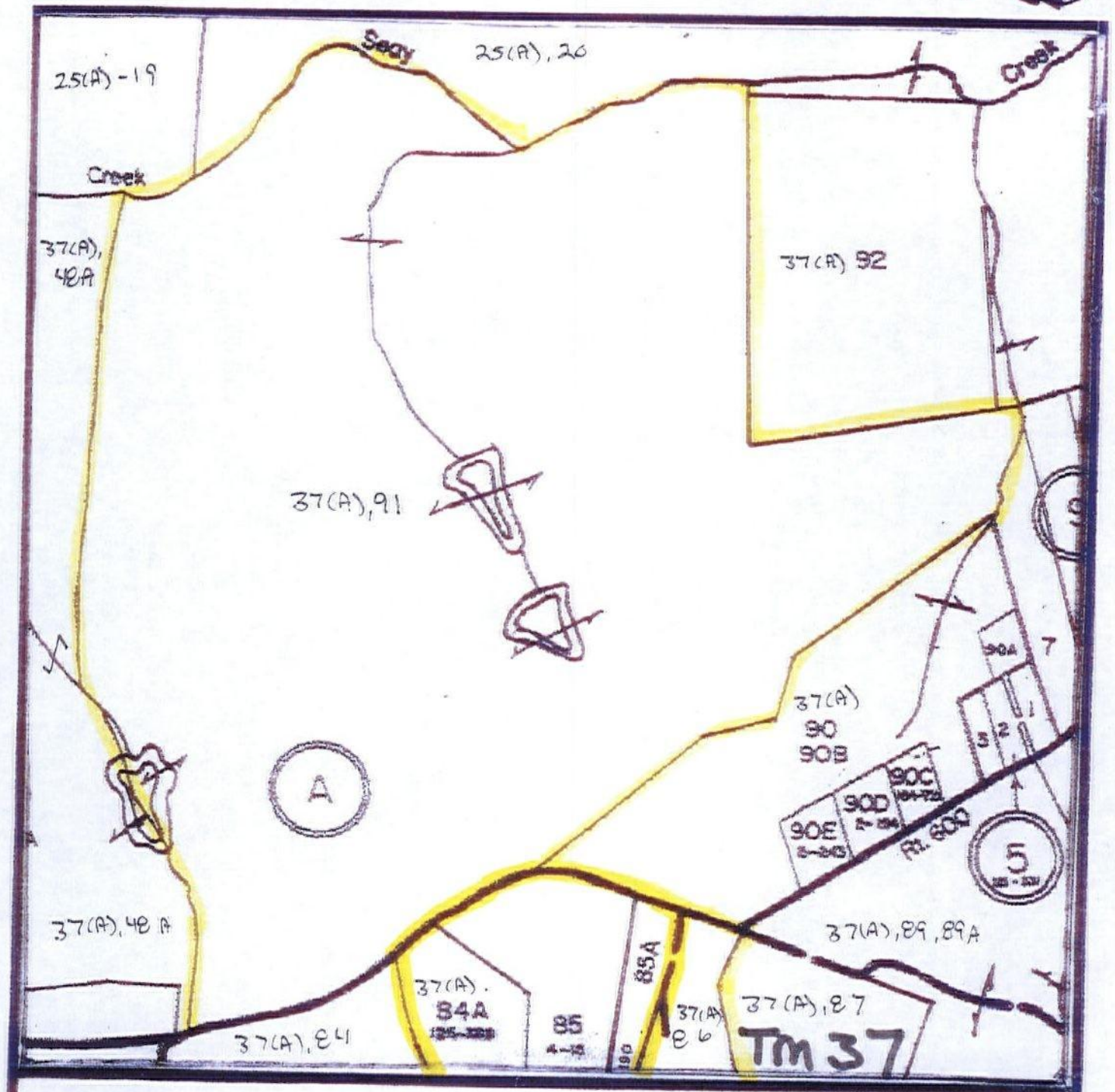
LUXTH 25-30

TAX MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

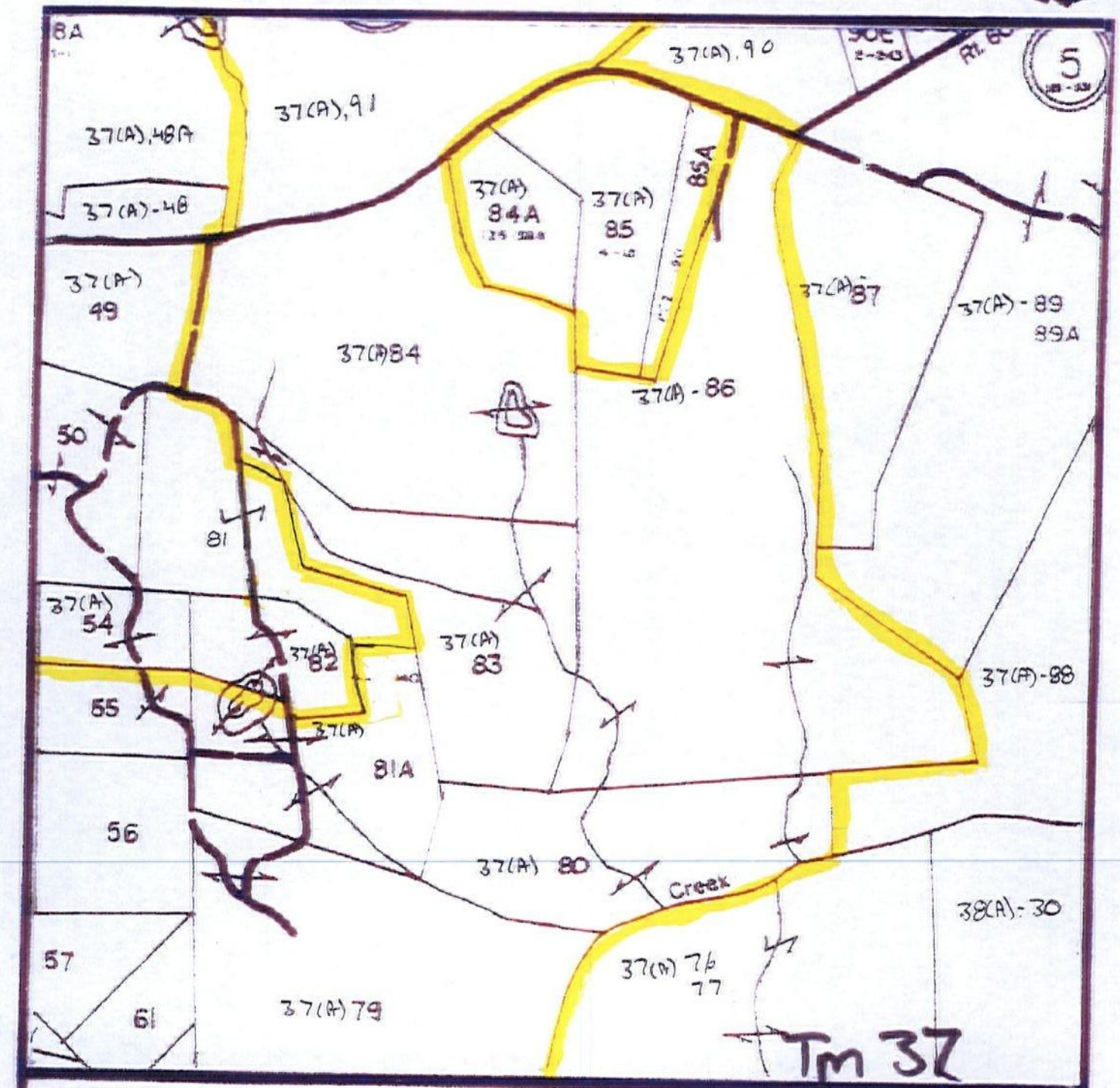
LUXTH 1-4

TAX MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)



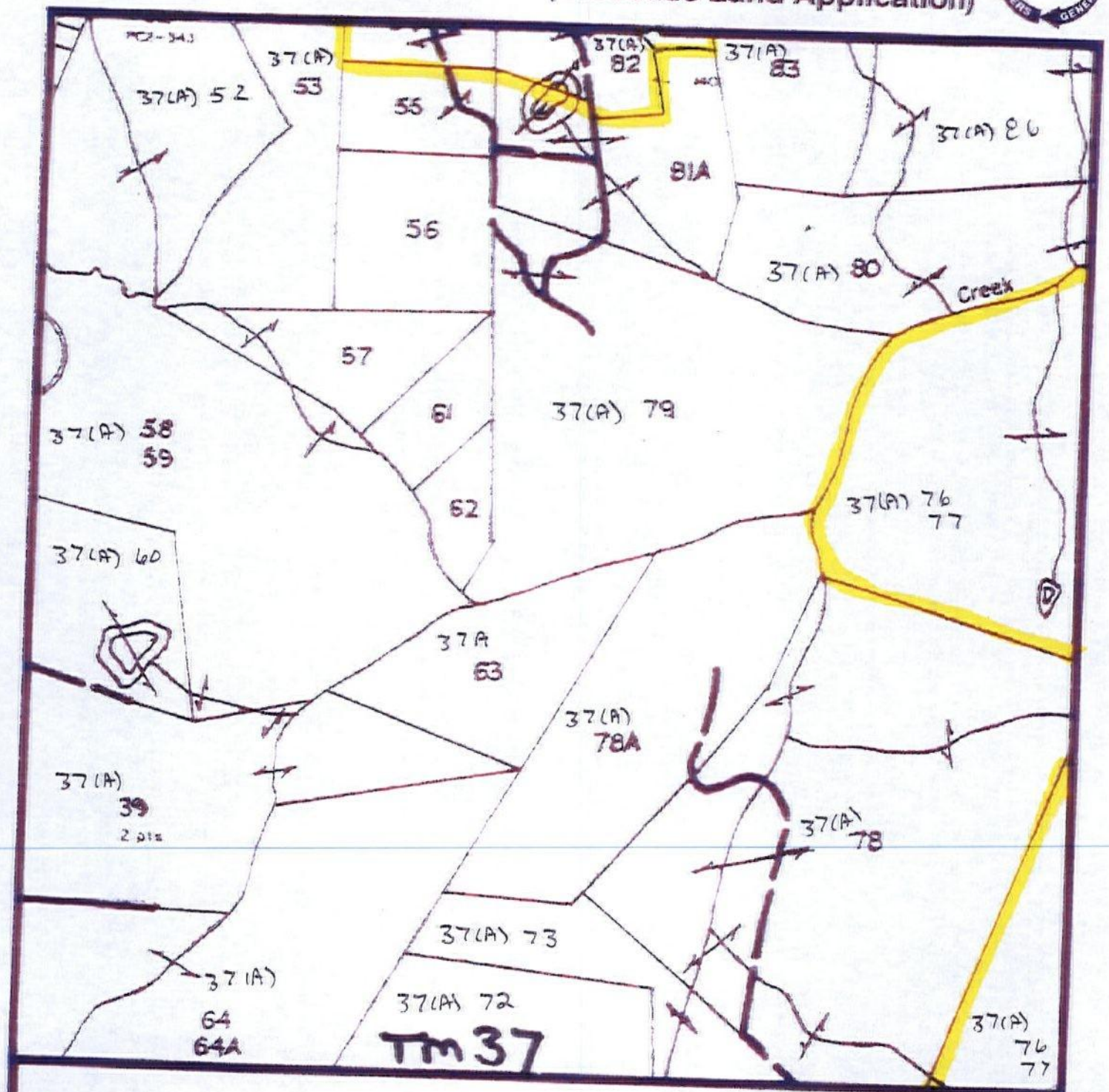
Scale: 1inch = 660 feet LUXTH 5-10

TAX MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)



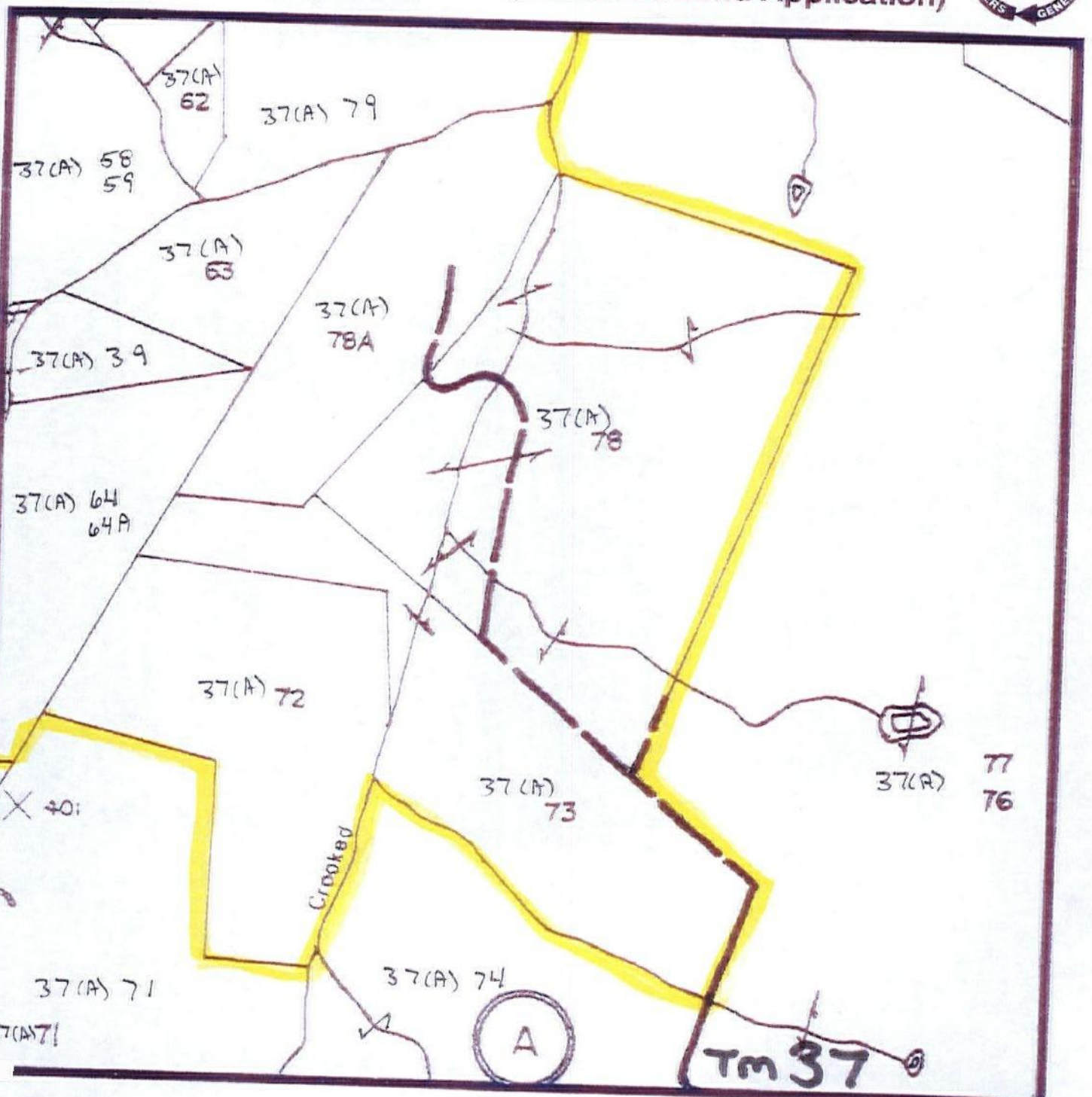
Scale: 1 inch = 660 feet LUXTH 11-13

TAX MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

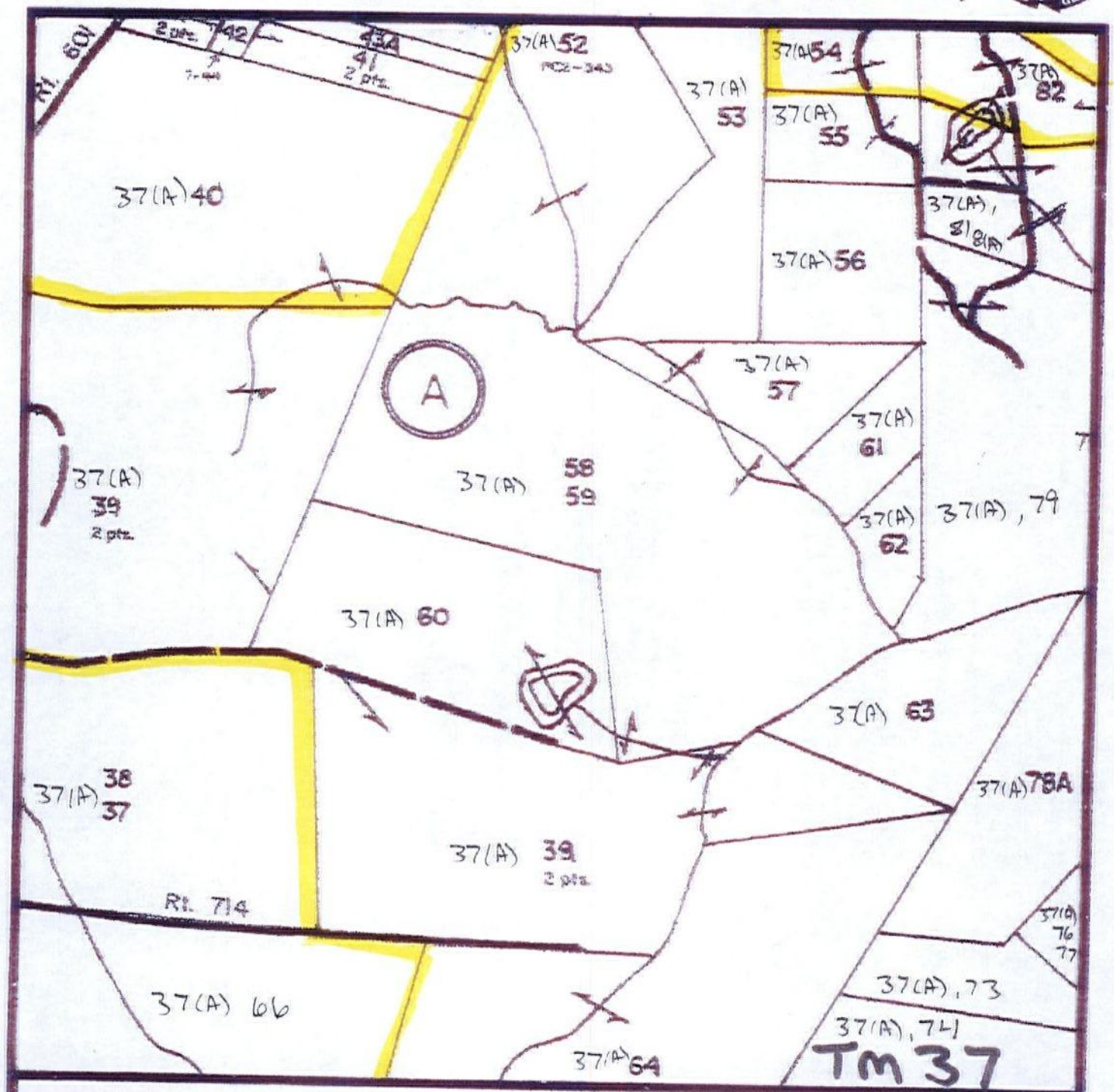
LUXTH 14-16

TAX MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

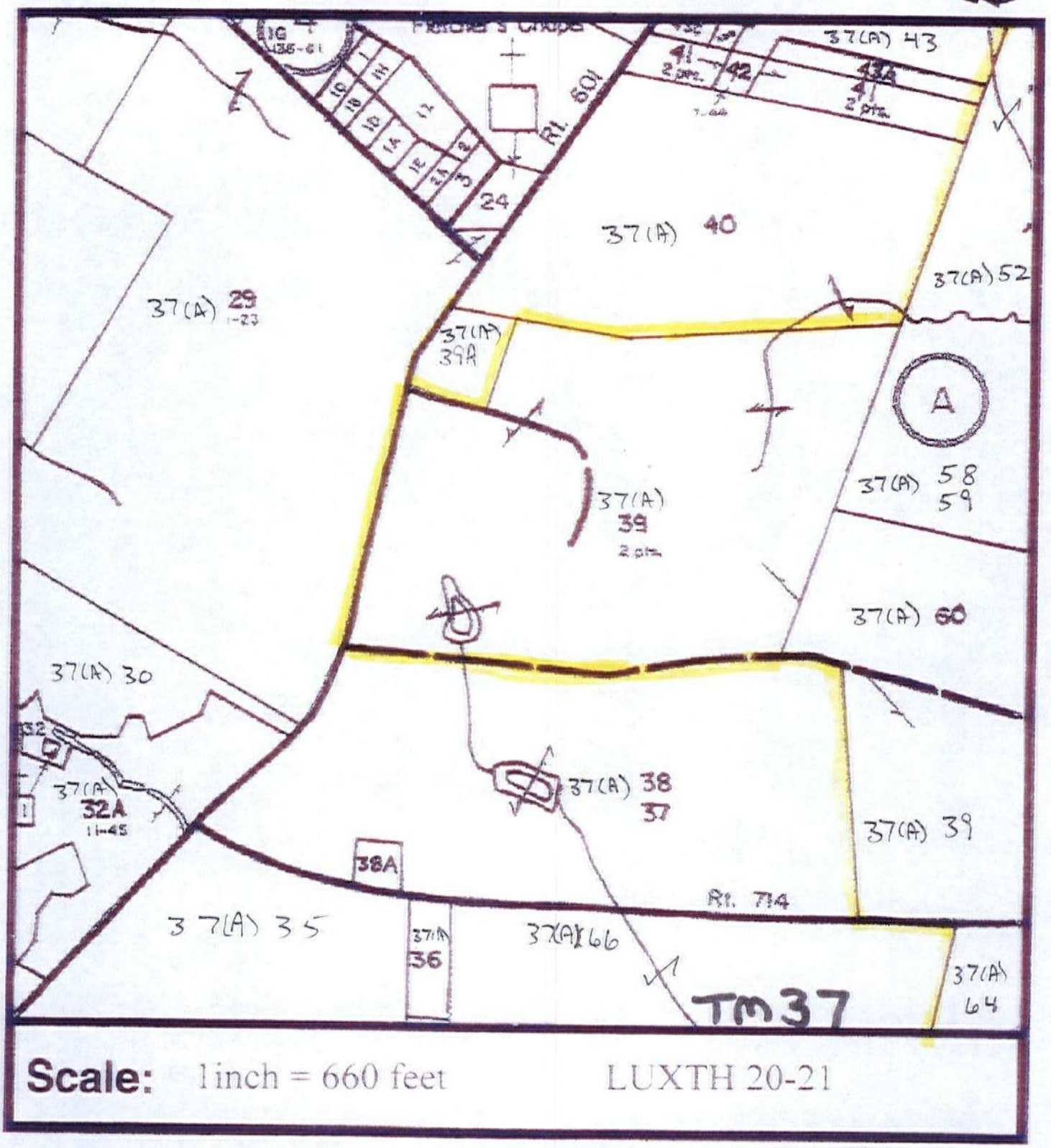
LUXTH 17-19

TAX MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

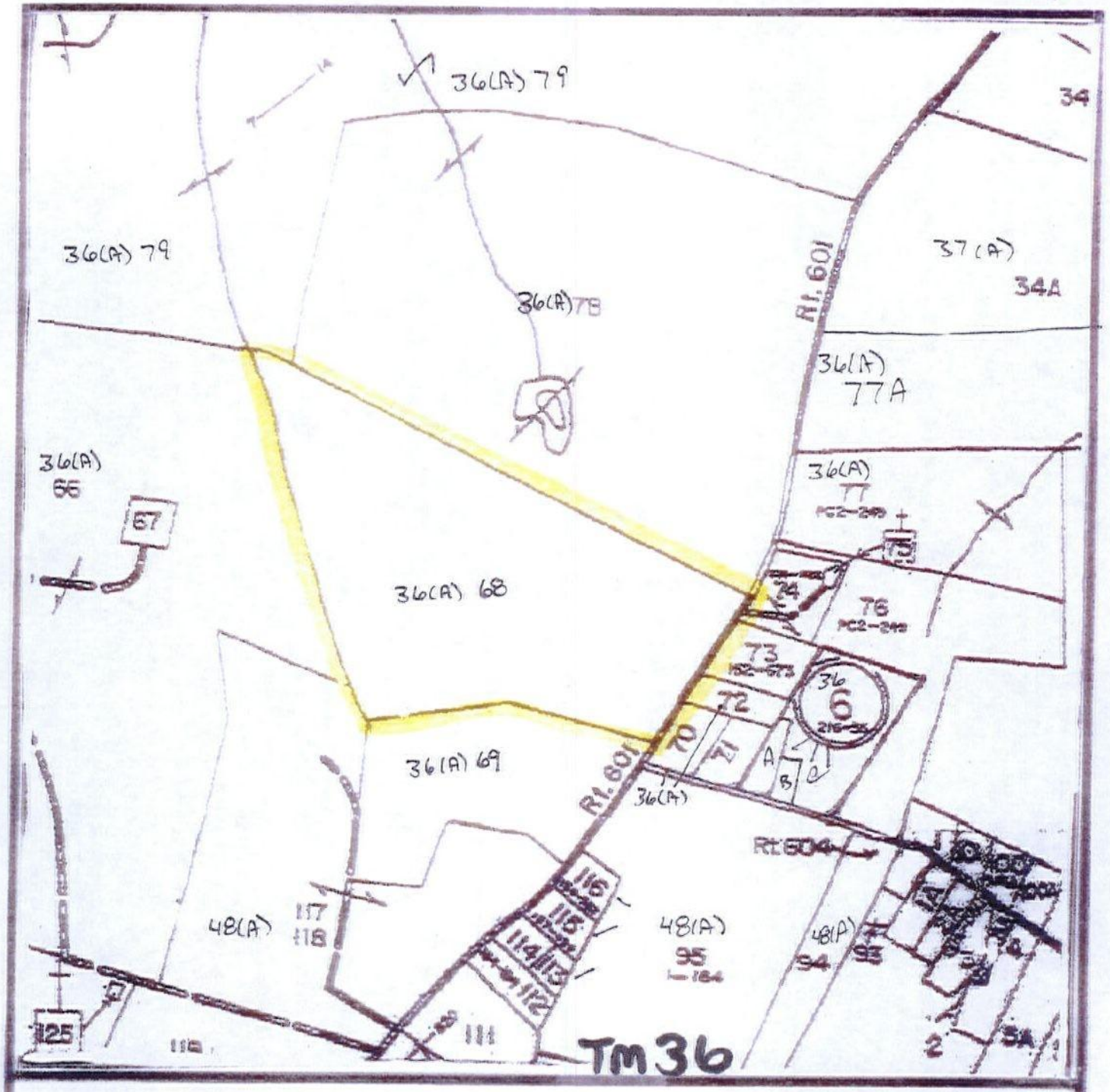
LUXTH 20-21

TAX MAP

N

Recyc Systems Inc.

Biosolids Land Application)



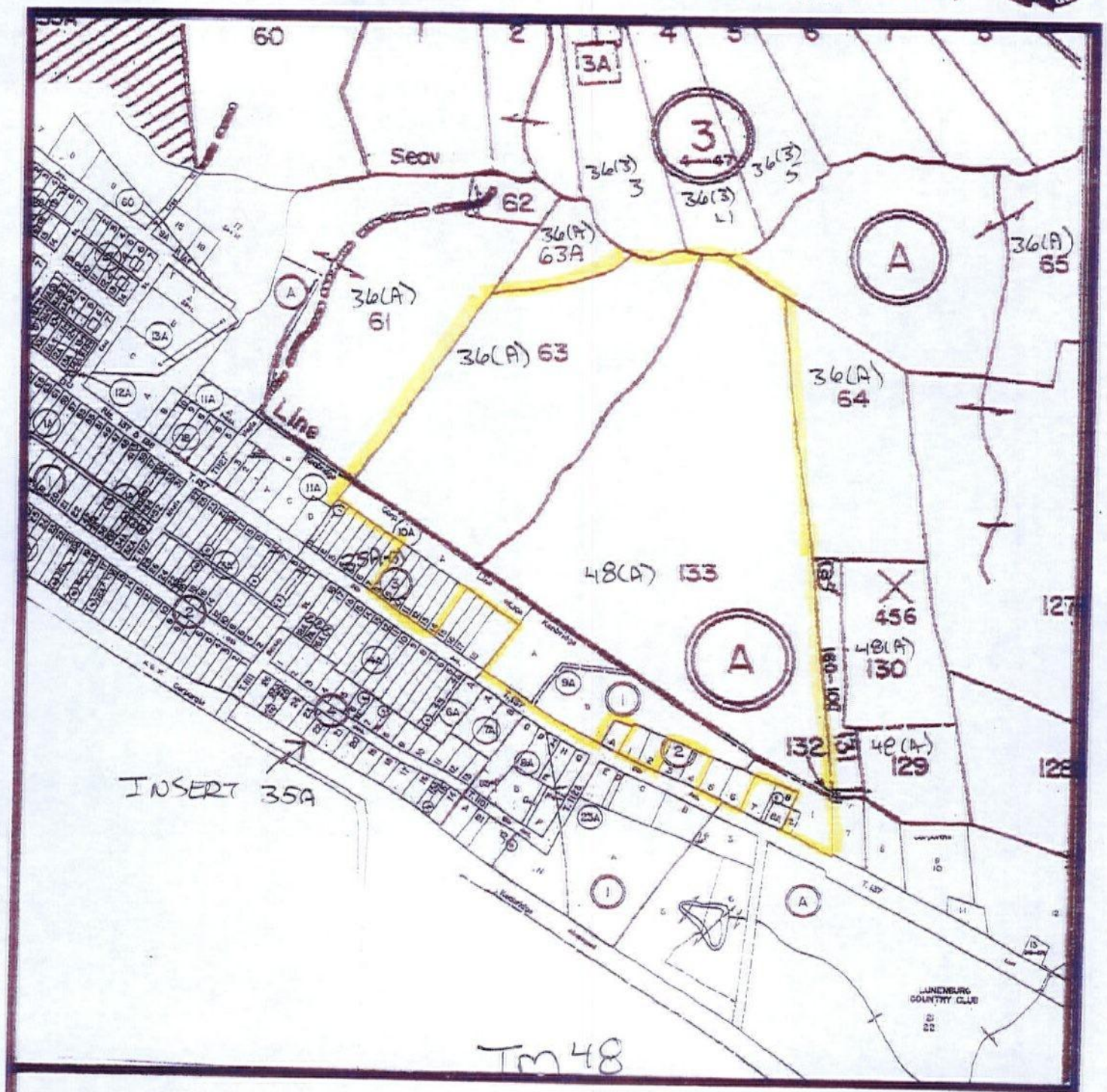
Scale: 1 inch = 660 feet LUXTH 22

TAX MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

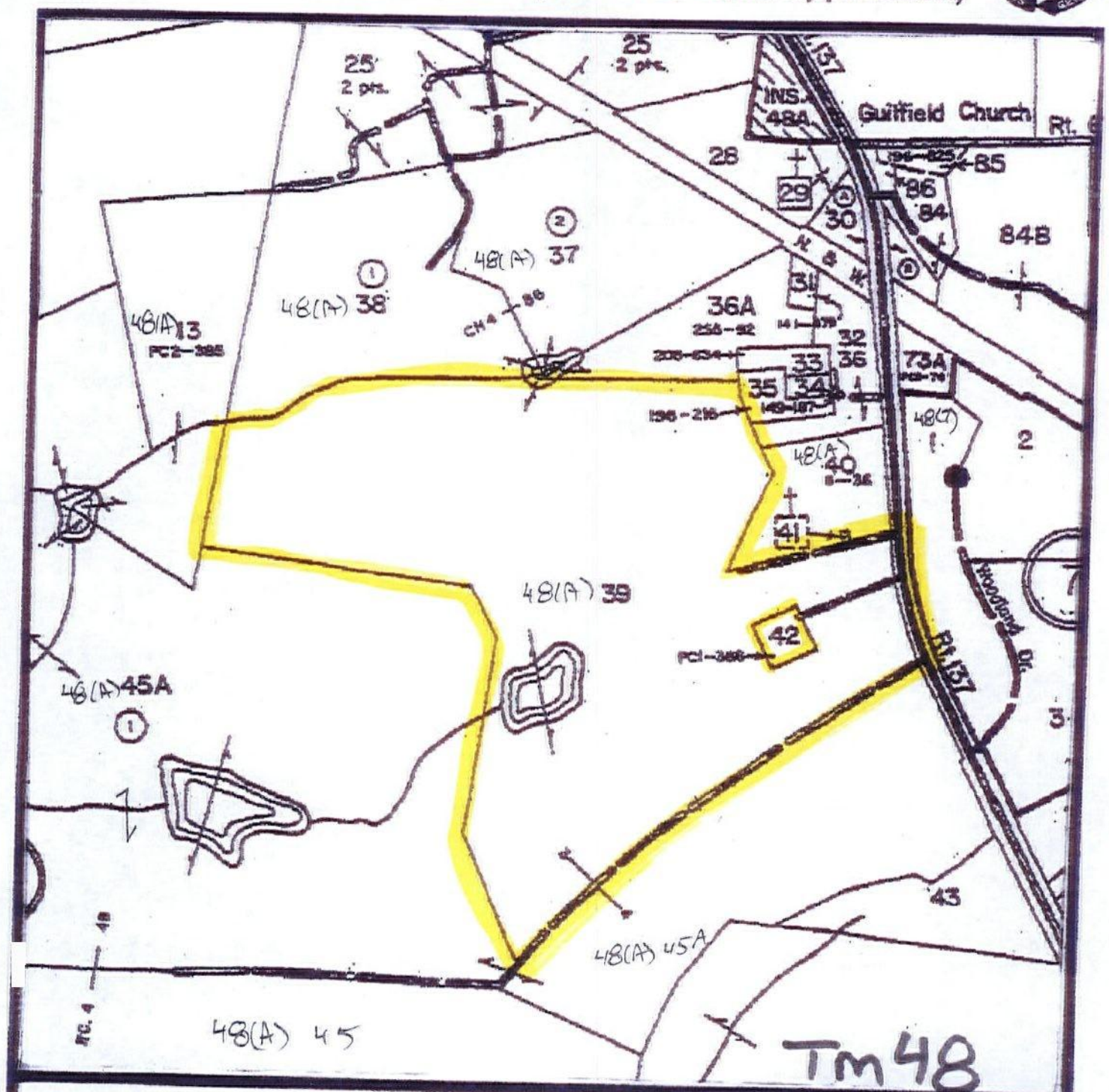
LUXTH 23-24

TAX MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

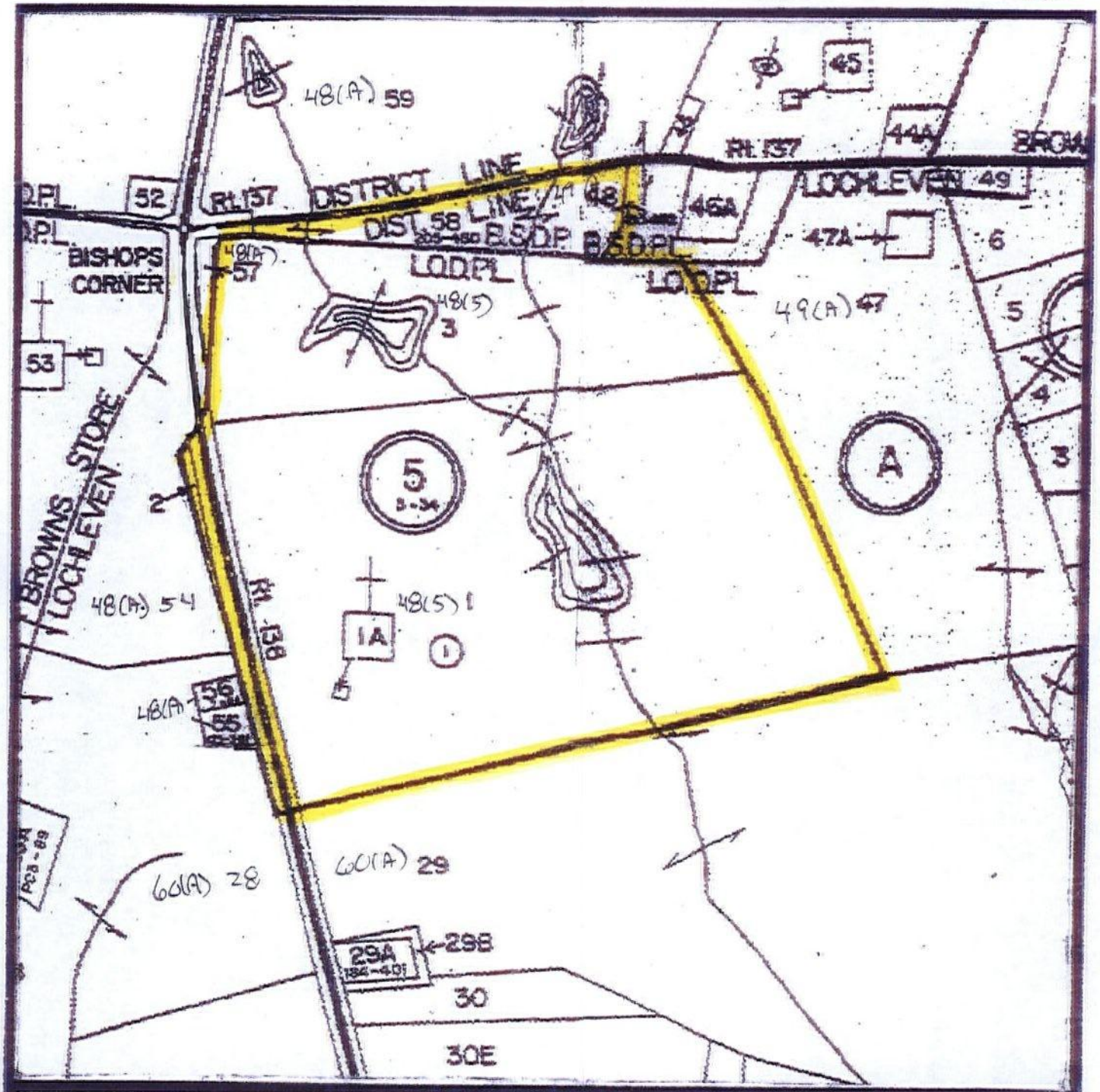
LUXTH 25-27

TAX MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)



Scale: 1inch = 660 feet LUXTH 28-30

TAX MAP

N

ADJOINING LANDOWNERS

R. TOMMY HITE, SR

LUNENBURG COUNTY

Tax Map	Parcel #	Owner Name(s)
35A7-A	17	Franklin Warren
	17A	Franklin Parrish
	18	Franklin Parrish
	19	Alvin Tuck
	20	Lunenburg Girls Softball
35A7-6	9	Collin Reese
35A11-3	1	James Callis
	1A	Larry Prue
	2	James Callis
	3	James Callis
	4	William Marx
	5	William Marx
	6	William Marx
	7	William Marx
	15	Thomas Barnes
	16	Thomas Barnes
	17	Glenn & Phyllis Forbes
	18	Odelle Robertson
35A11-4A	8	D. Ken Blackburn
	9	D. Ken Blackburn
	10	D. Ken Blackburn
	11	D. Ken Blackburn
	12	D. Ken Blackburn
	13	D. Ken Blackburn
	14	D. Ken Blackburn
	15	D. Ken Blackburn

ADJOINING LANDOWNERS

R. TOMMY HITE, SR

LUNENBURG COUNTY

Tax Map	Parcel #	Owner Name(s)
35A11-11A	B	Town of Kenbridge
	C	Patricia Leon
35A12-A	3	Samuel Irby
	7	Emma Baskerville
35A12-1	B	Jackie Dalton
	C	Luther Wingfield
	D	Luther Wingfield
	E	Tomahawk Properties
35A12-2	3	James C. Bailey
	4	Janice Shehata
36(A)	60	Collin Reese
	62	Town of Kenbridge
	64	Hugh Spruill
	66	Harold Jansch Estate
	69	J.A. Reavis
	70	Barbara Rich
	72	Charles Thomas
	73	James Douglas
	74	Mary Branch
	78	Stanley Spencer
	79	C.C. Gills Estate
36(3)	1	Anthony Reese
	3	Town of Kenbridge
	4	Town of Kenbridge
	5	Town of Kenbridge

ADJOINING LANDOWNERS

R. TOMMY HITE, SR

LUNENBURG COUNTY

Tax Map	Parcel #	Owner Name(s)
36(3)	6	W.D. Garland
	7	W.D. Garland
	8	W.D. Garland
36(5)	2	Lena Cox
37(A)	29	William Coffee
	30	Tim Tucker
	32A	Everett Pennington
	35	Alan Bagley
	36	Cornelius Johnson
	38	Alan Bagley
	38A	Arthur Jackson
	40	Gussie Abernathy
	41	Gussie Abernathy
	43	Phuc Ngoc Luong
	43A	Ida Hatchett
	45	Terecia Hendricks
	46	Richard Bagley
	47	Richard Bagley
	48	Llewellyn Barnes
	48A	Butler Lumber Co.
	48C	Gertrude Gordon
	48D	John Gordon
	48E	Jay Carter
	49	Llewellyn Barnes
	50	Koretha Cumberbatch
	51	Thomas Irby
	54	Thomas Irby
	39 A	Steven H. Hite

ADJOINING LANDOWNERS

R. TOMMY HITE, SR

LUNENBURG COUNTY

Tax Map	Parcel #	Owner Name(s)
37(A)	65	Orgaizational Mgmt & Educational Consulting Corp
	66	Commonwealth Forest Investments, Inc.
	71	Orgaizational Mgmt & Educational Consulting Corp
	76	Agnes Hawthorne
	77	Agnes Hawthorne
	82	Daisy Irby
	84A	Ryland Tuck
	85	Donald Cox
	85A	Ryland Tuck
	87	Wilson Long
	88	Charlie H. Fowlkes
	89	Charlie H. Fowlkes & Dorothea Rorie
	89A	Charlie H. Fowlkes & Dorothea Rorie
	90	Sidney Jones
	92	Pauline Taylor
37(9)	6	Jefferson Reavis
	7	Emma Jones
38(A)	1	David Rash
48(A)	12	Lewis Tudker
	14	E.C. Johnson, Jr.
	25	arland Bagley
	28	James Chathan
	30	Collin Reese
	31	Arthur Barnett
	34	Roger Smith
	35	Ronald Long

ADJOINING LANDOWNERS

R. TOMMY HITE, SR

LUNENBURG COUNTY

Tax Map	Parcel #	Owner Name(s)
48(A)	37	Irby Bagley
	38	Jeffrey Bacon
	40	Margaret Pilson
	42	James Logan
	45A	Nelson Swartzentruber
	54	Edna B. Jones
	55	Mabel Lafoon
	56	Richard T. Hite, Jr.
	57	Gail Jeter
	59	Nathaniel Matthews
	126	Hugh Spruil
	127	Hugh Spruil
	131	Alvin Hall
	132	Emma Baskerville
48(6)	73A	James Walker
48(7)	1	Lunenburg County IDA
49(A)	47	Jessie Maddux
	48	Katherine Shell
60(A)	28	Richard T. Hite, Jr.
	29	Thomas A. Hart

Recyc Systems™ Inc.

(Biosolids Land Application)

Scale: 1inch = 660 feet LUXTH 1-4

SOIL MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)

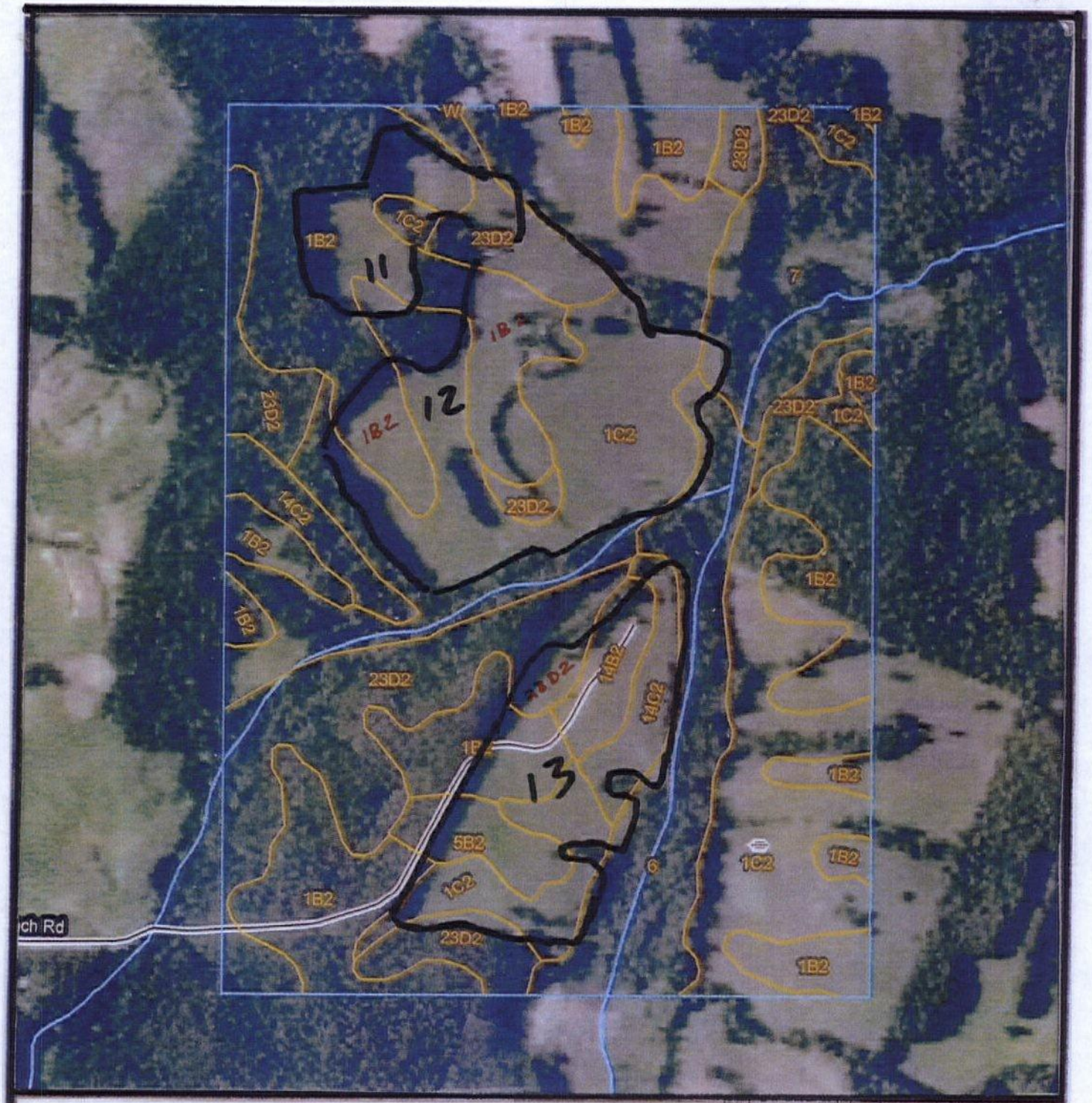
Scale: 1inch = 660 feet LUXTH 5-10

SOIL MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)



Scale: 1inch = 660 feet LUXTH 11-13

SOIL MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)

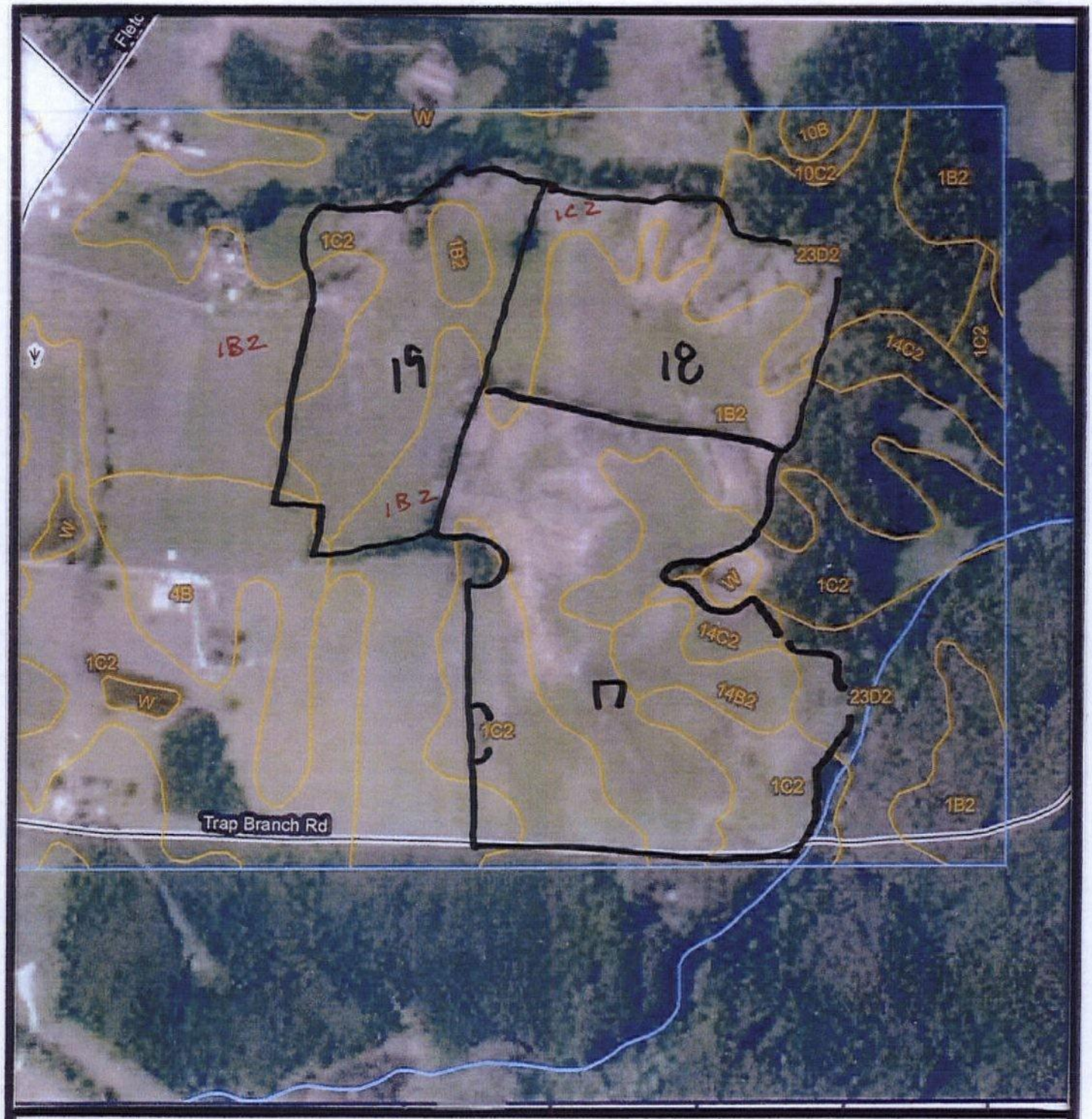
Scale: 1inch = 660 feet LUXTH 14-16

SOIL MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)



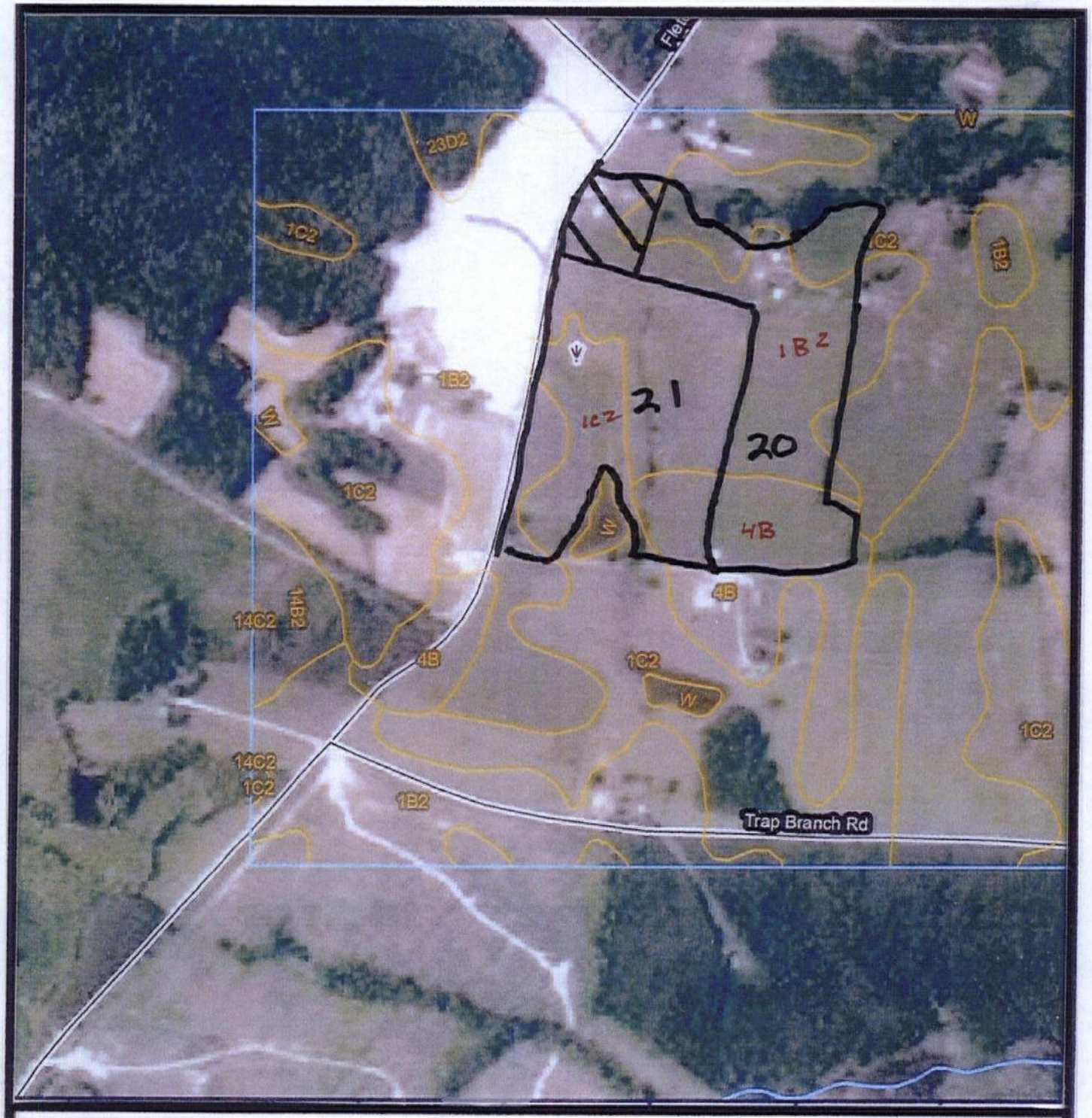
Scale: 1inch = 660 feet LUXTH 17-19

SOIL MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)



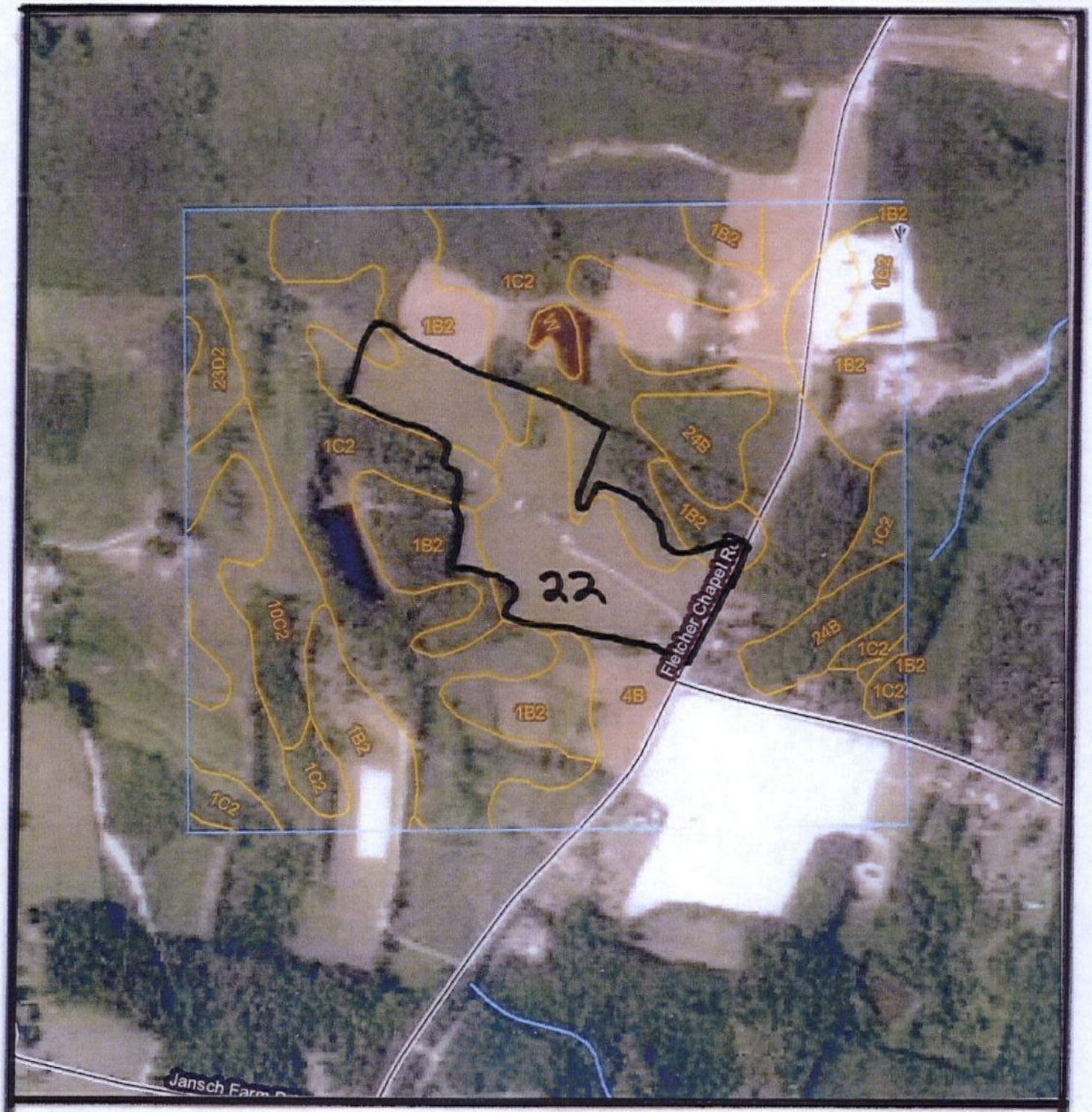
Scale: 1inch = 660 feet LUXTH 20-21

SOIL MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)



Scale: 1inch = 660 feet LUXTH 22

SOIL MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)

Scale: 1inch = 660 feet

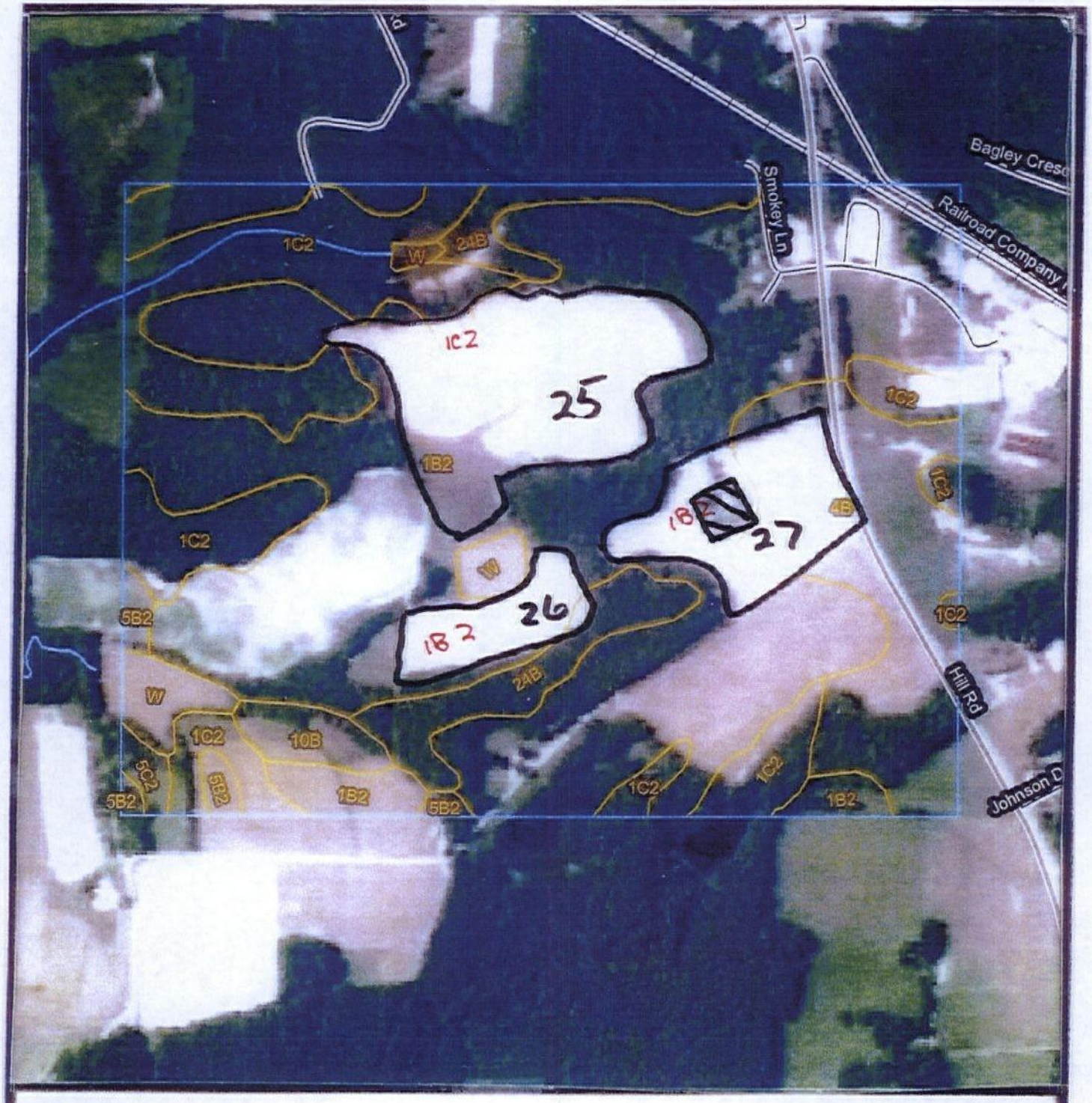
LUXTH 23-24

SOIL MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

LUXTH 25-27

SOIL MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)

Scale: 1inch = 660 feet

LUXTH 28-30

SOIL MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)

Scale: 1inch = 660 feet LUXTH 1-3

AERIAL MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)

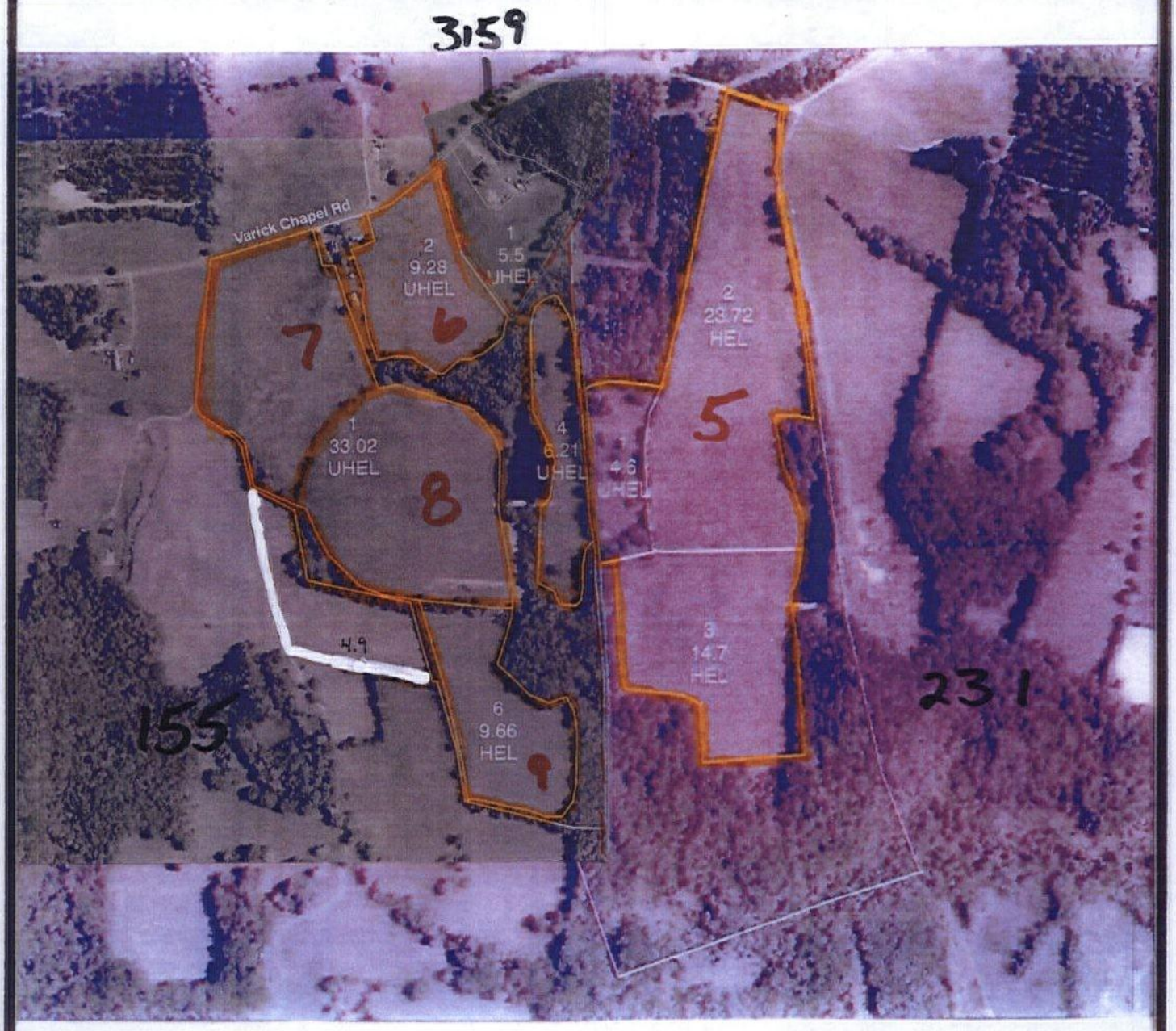
Scale: 1inch = 660 feet LUXTH 4

AERIAL MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)



T 155, 231, 3159

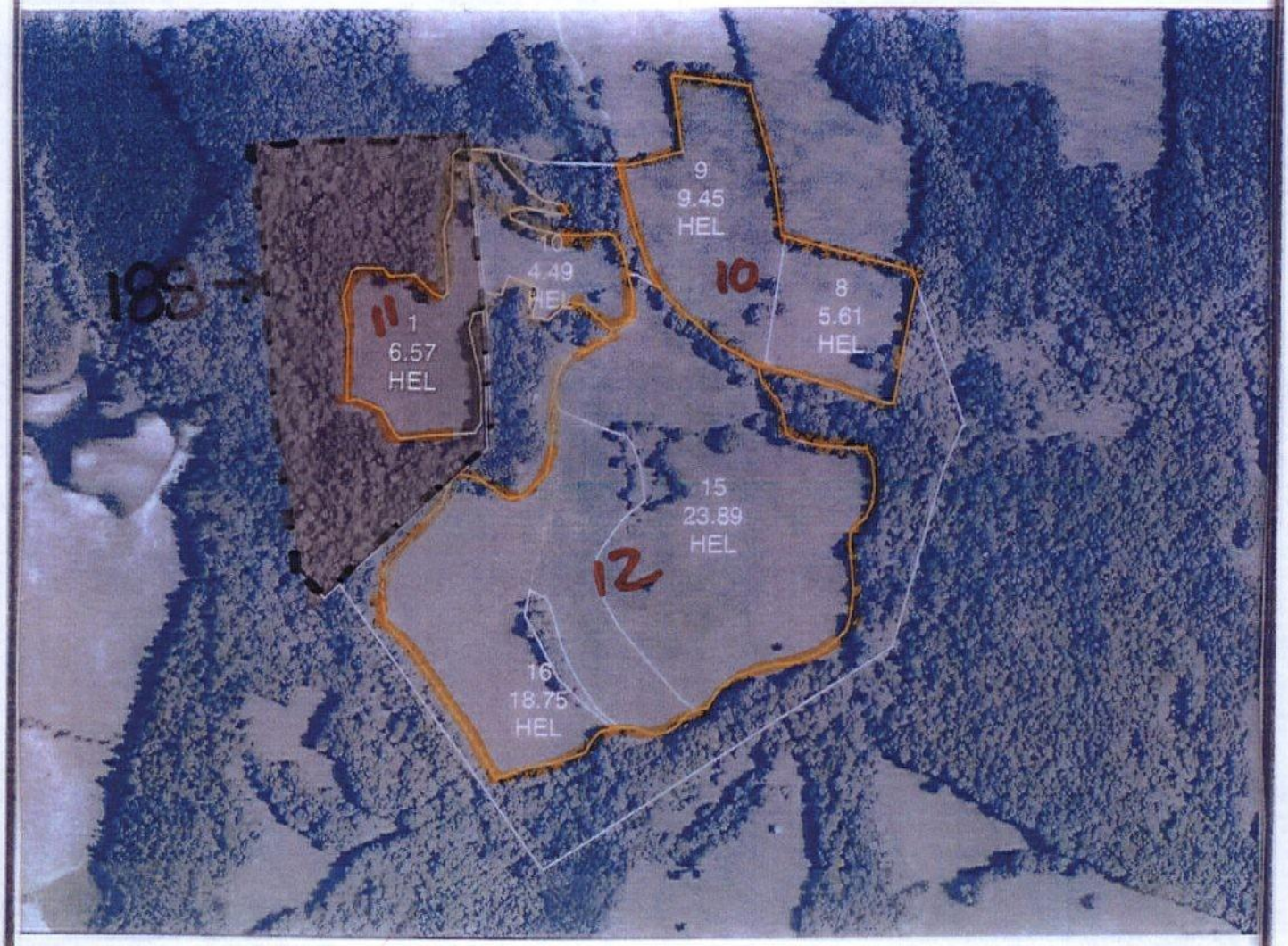
Scale: 1inch = 660 feet LUXTH 5-9

AERIAL MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)



T 45
T 188

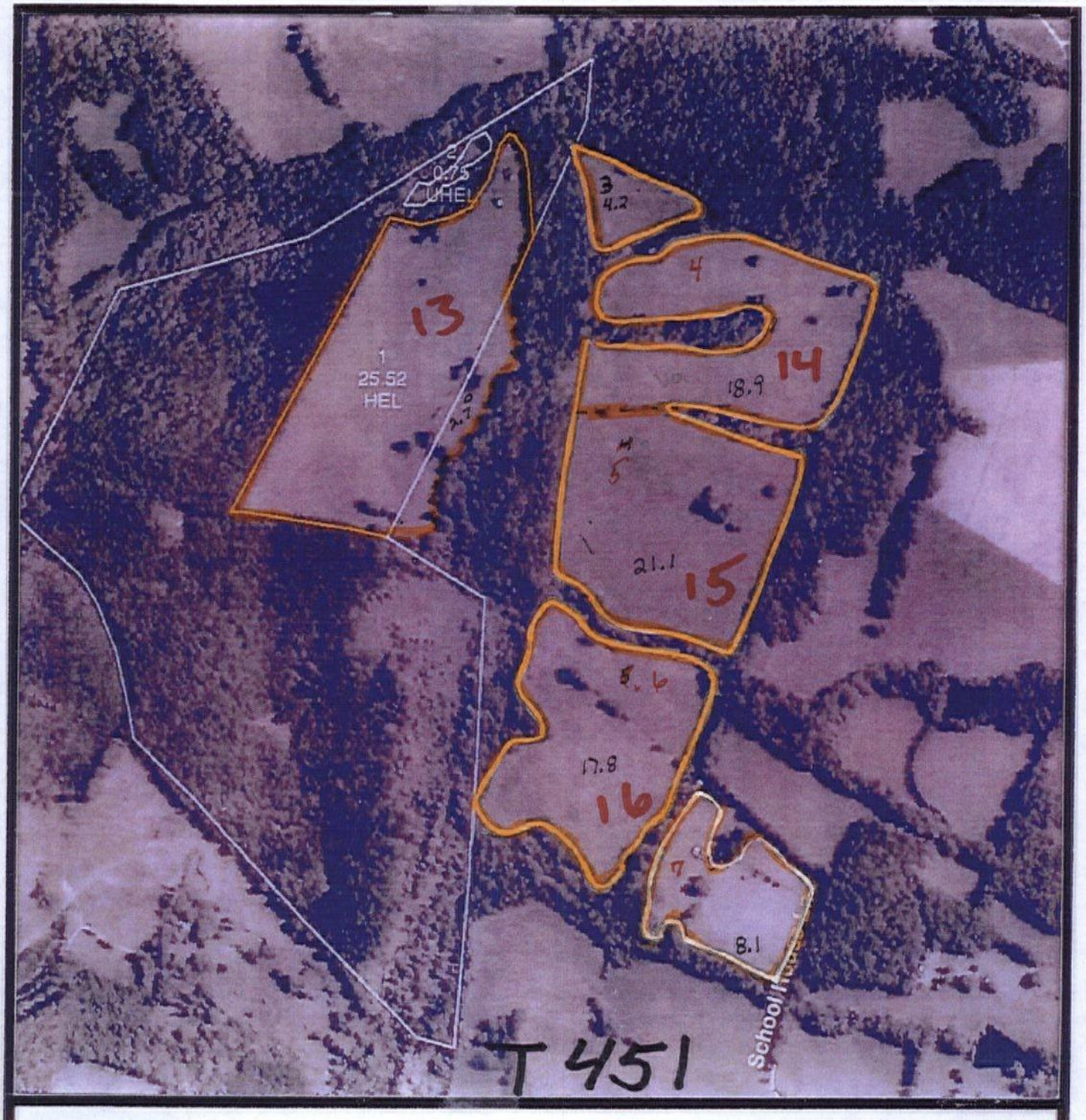
Scale: 1inch = 660 feet LUXTH 10-12

AERIAL MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)



Scale: 1inch = 660 feet

LUXTH 13-16

AERIAL MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)

T5 , 295

Scale: 1inch = 660 feet LUXTH 17-21

AERIAL MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)

T270

Scale: 1inch = 660 feet LUXTH 22

AERIAL MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)

T 189 & T 332

Scale: 1inch = 660 feet

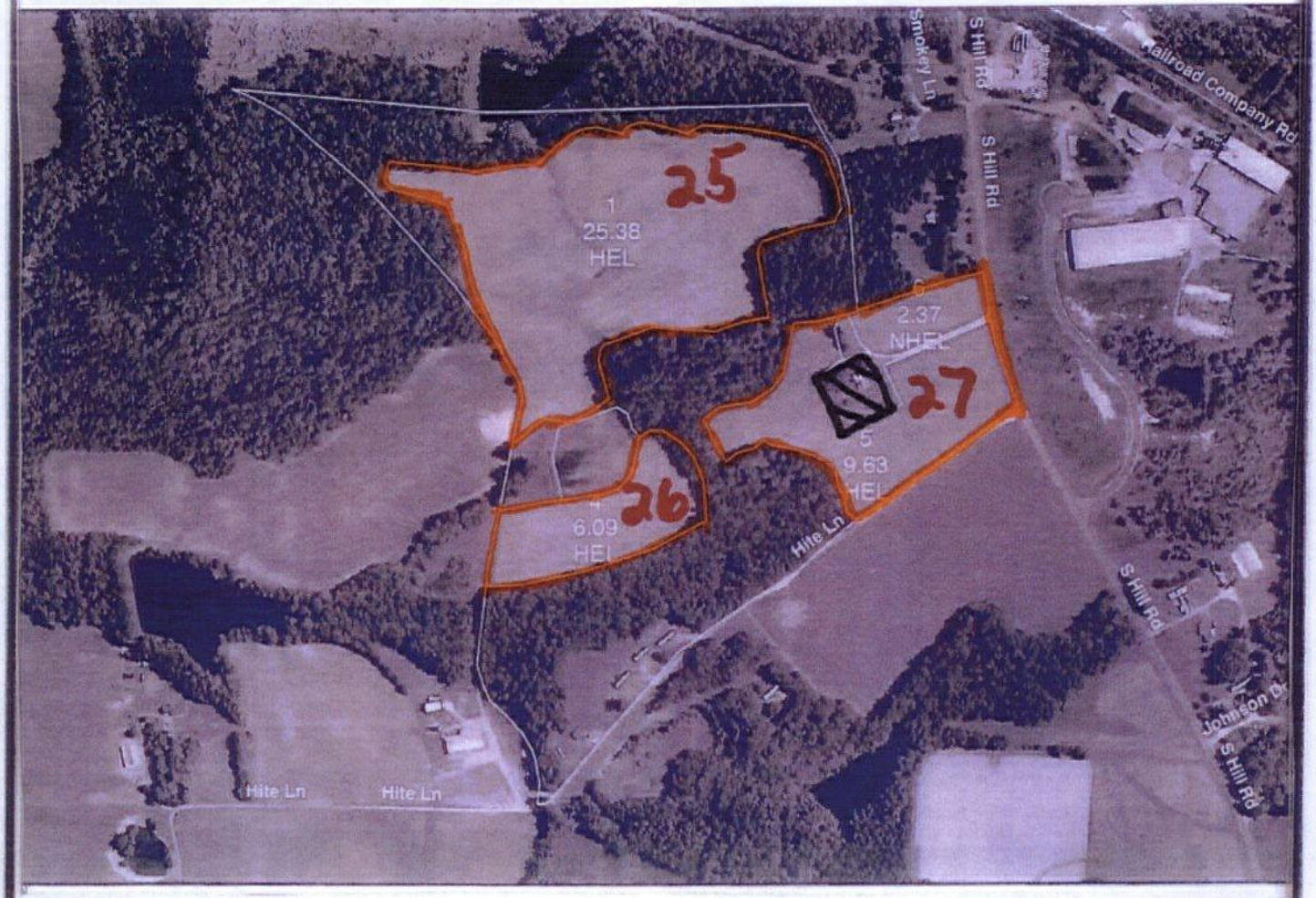
LUXTH 23-24

AERIAL MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)



T 312

Scale: 1inch = 660 feet LUXTH 25-27

AERIAL MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)

T 1438
T 16290

Scale: 1inch = 660 feet

LUXTH 28-30

AERIAL MAP

N

Legend for Site Plan

House and Well/Public Building

Well/Spring

Perennial Streams & Surface

Wet Spot

Intermittent Stream/Drainage

Trees and Woods

Private Drive

Rock/Rocky Area

Sinkhole

Severely Eroded Spot

State Road

Field Boundary

Fence

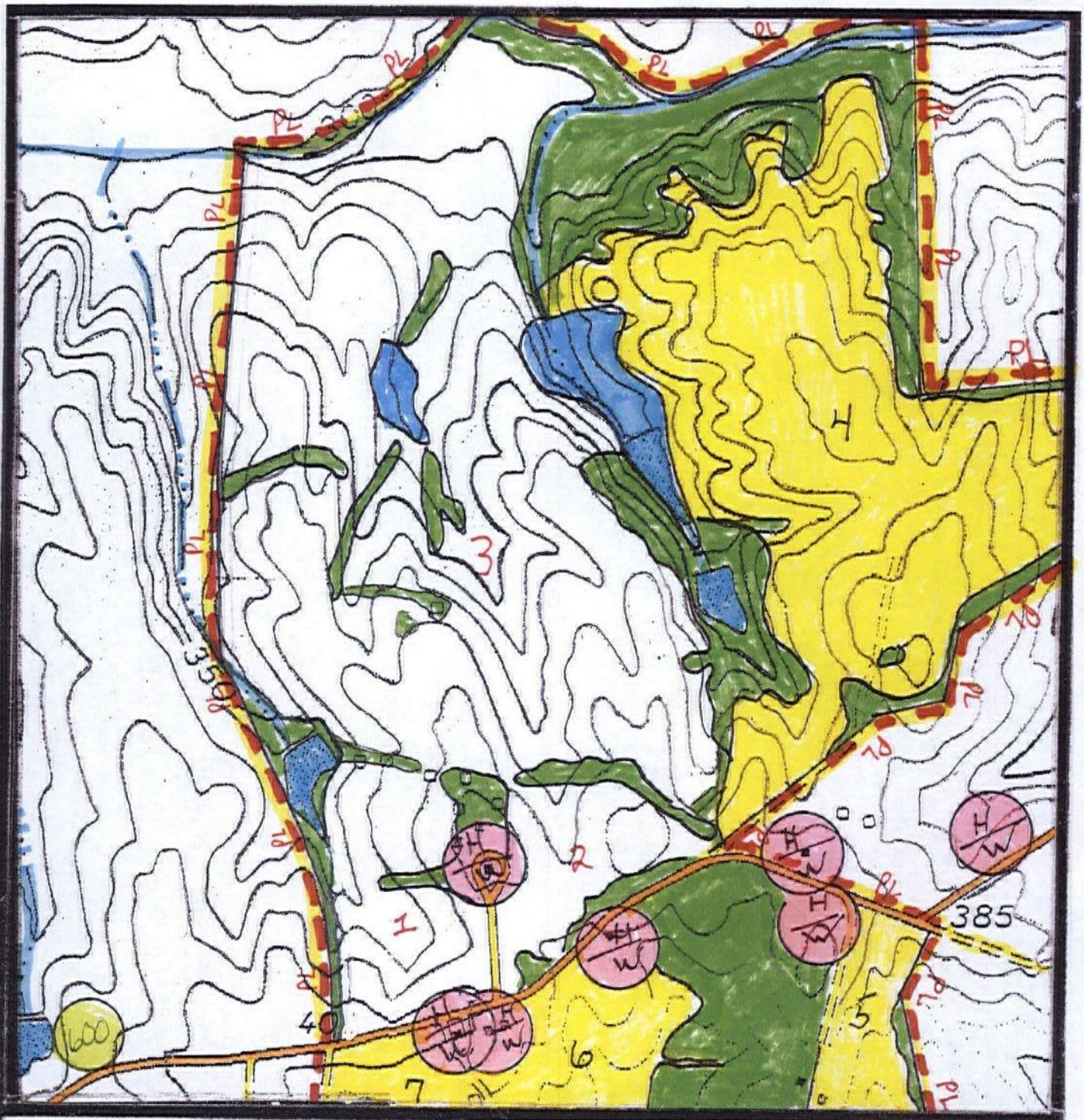
Property Line

Slope

Frequent Flooding

Recyc Systems™ Inc.

(Biosolids Land Application)



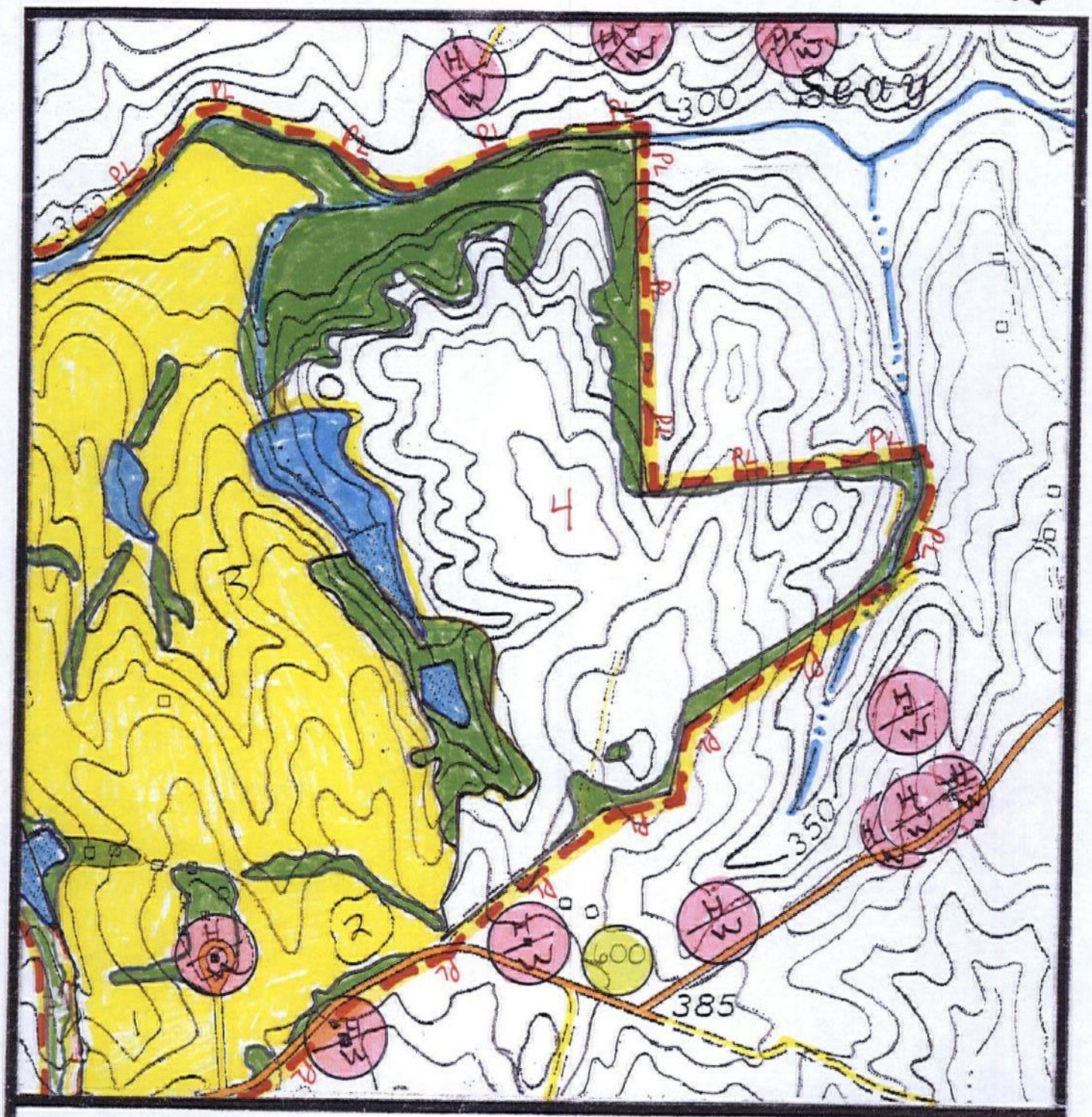
Scale: 1inch = 660 feet LUXTH 1-3

SITE PLAN

N

Recyc Systems™ Inc.

(Biosolids Land Application)



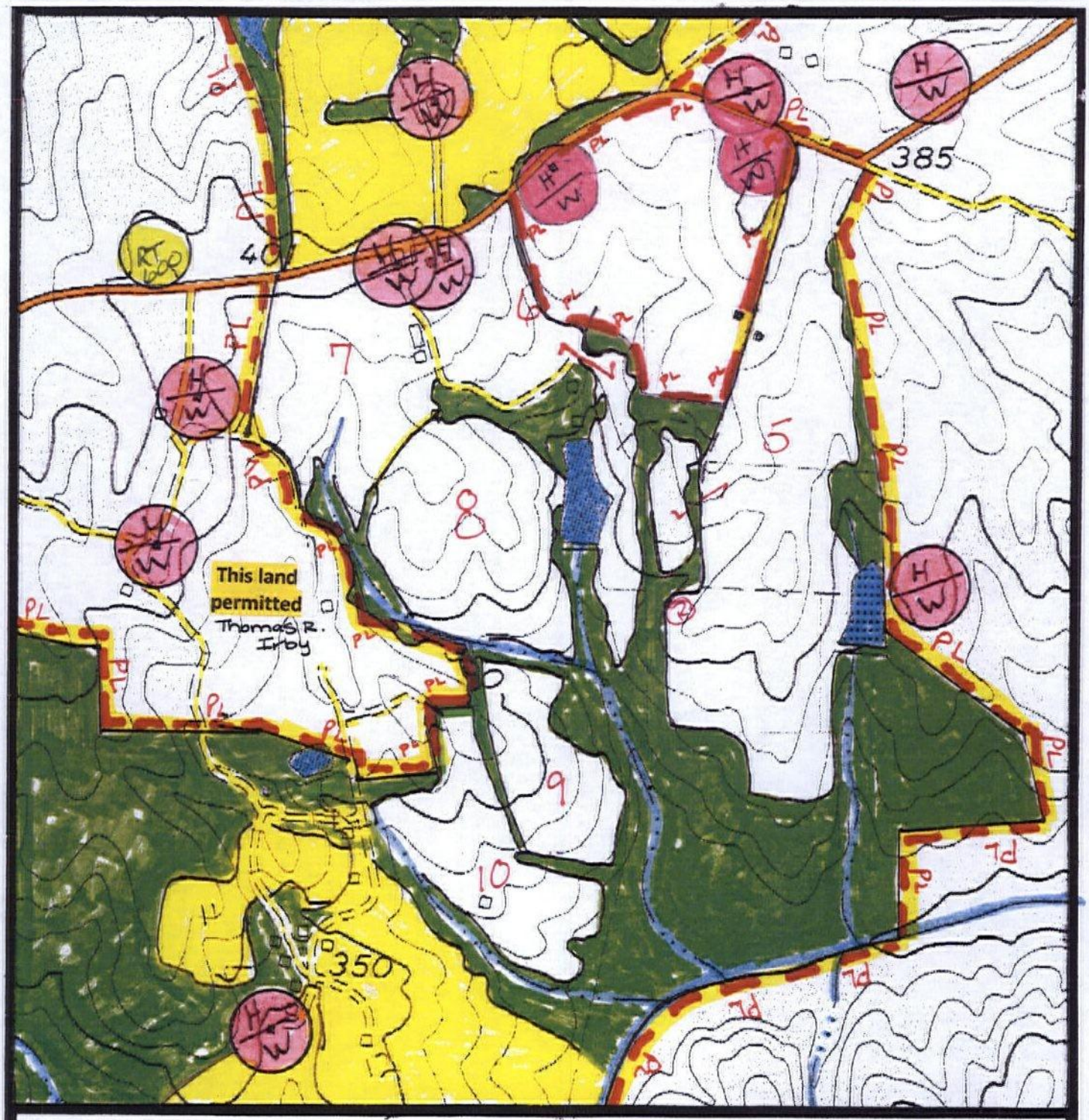
Scale: 1inch = 660 feet LUXTH 4

SITE PLAN

N

Recyc Systems™ Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet LUXTH 5-10

SITE PLAN

N

Recyc Systems™ Inc.

(Biosolids Land Application)

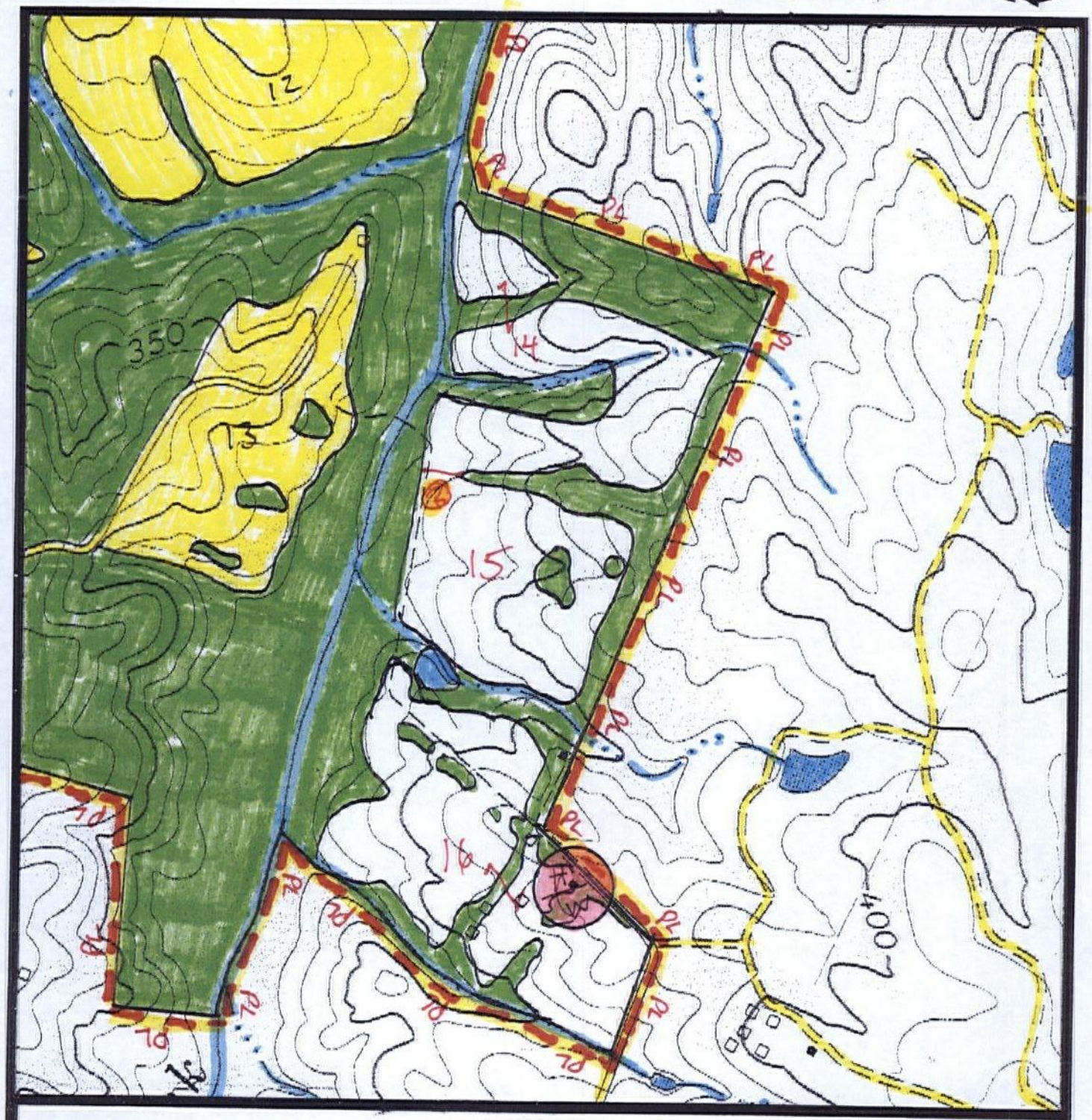
Scale: 1inch = 660 feet LUXTH 11-13

SITE PLAN

N

Recyc Systems™ Inc.

(Biosolids Land Application)



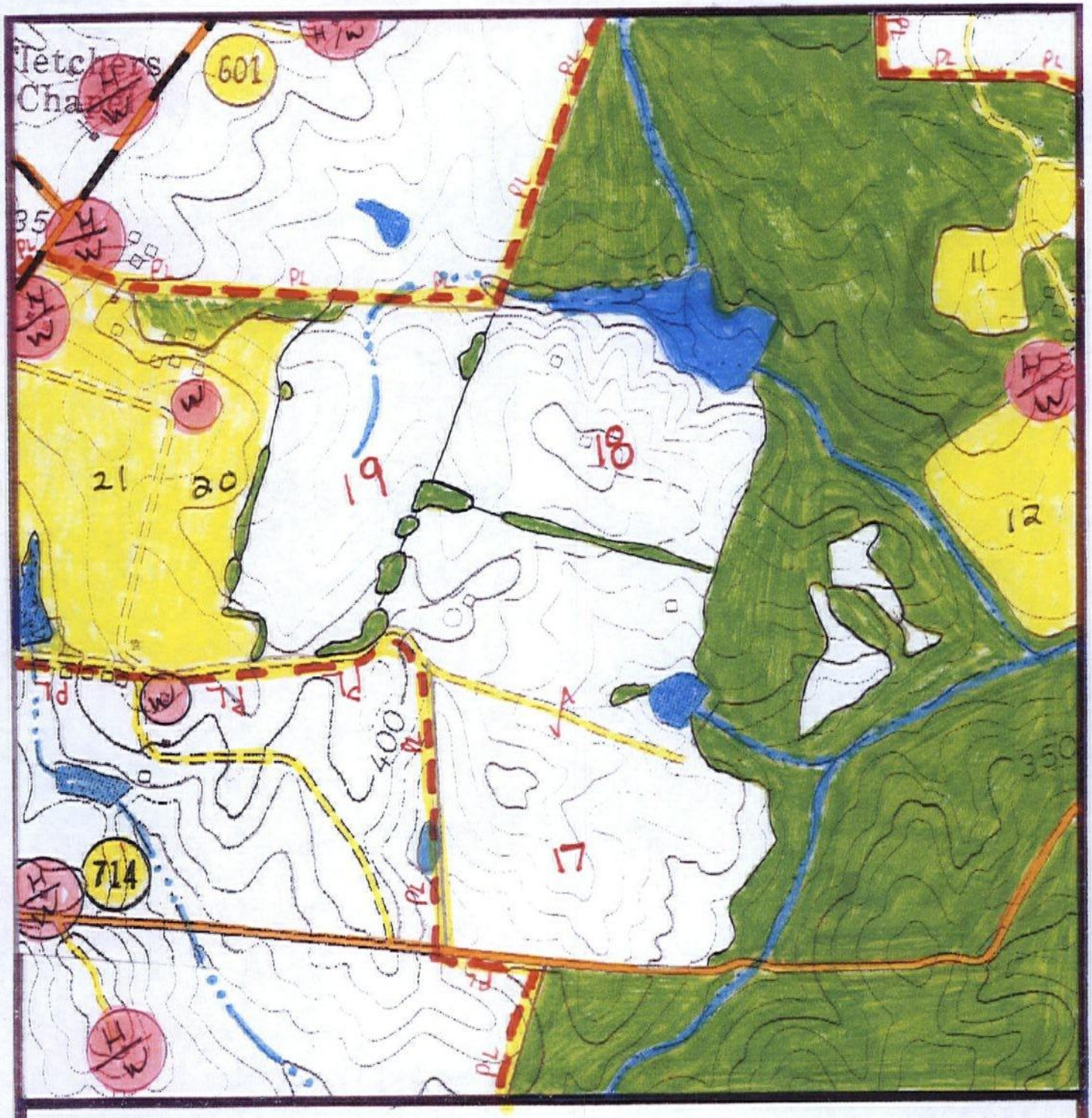
Scale: 1inch = 660 feet LUXTH 14-16

SITE PLAN

N

Recyc Systems™ Inc.

(Biosolids Land Application)



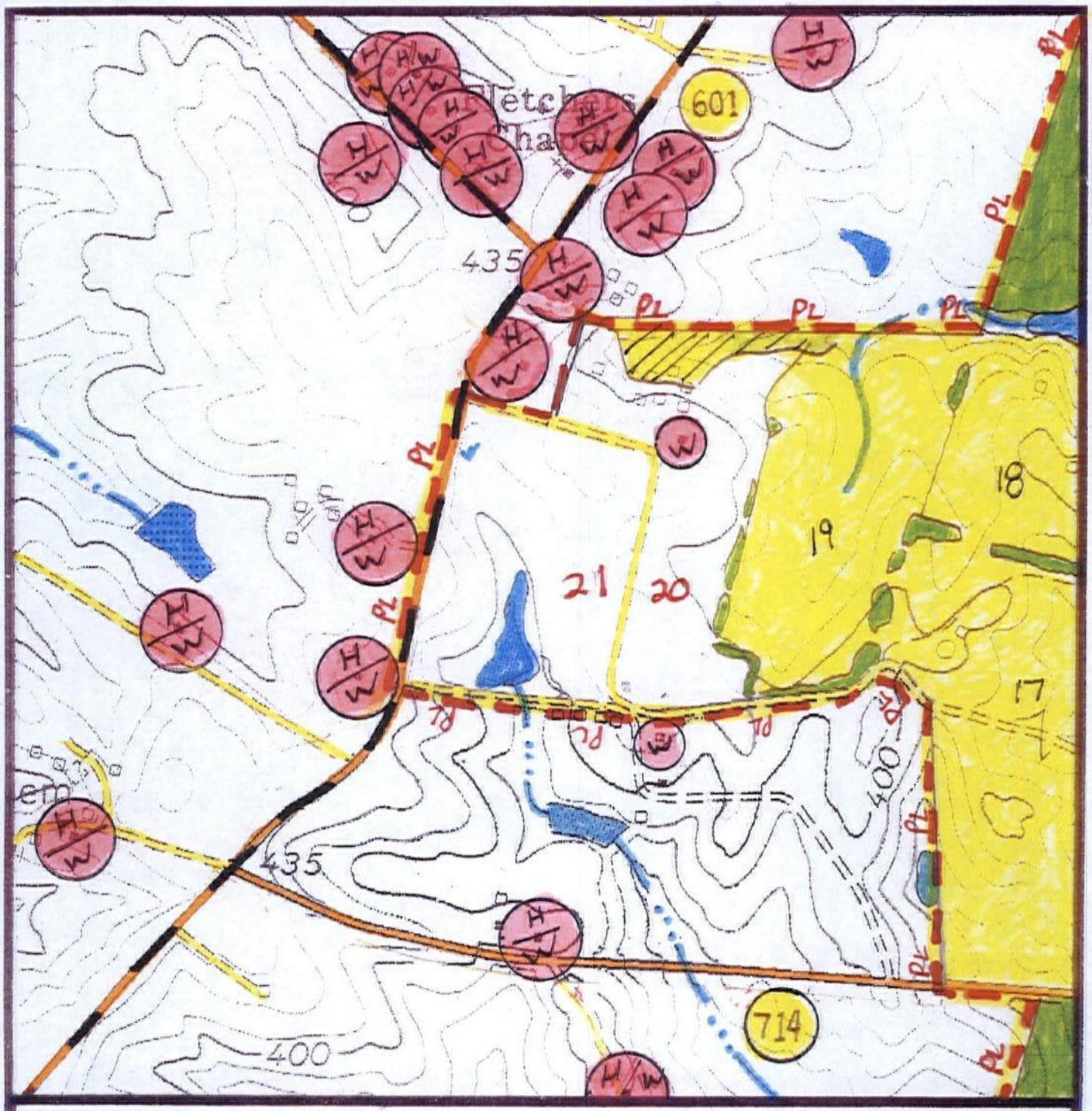
Scale: 1inch = 660 feet LUXTH 17-19

SITE PLAN

N

Recyc Systems™ Inc.

(Biosolids Land Application)



Scale: 1 inch = 660 feet

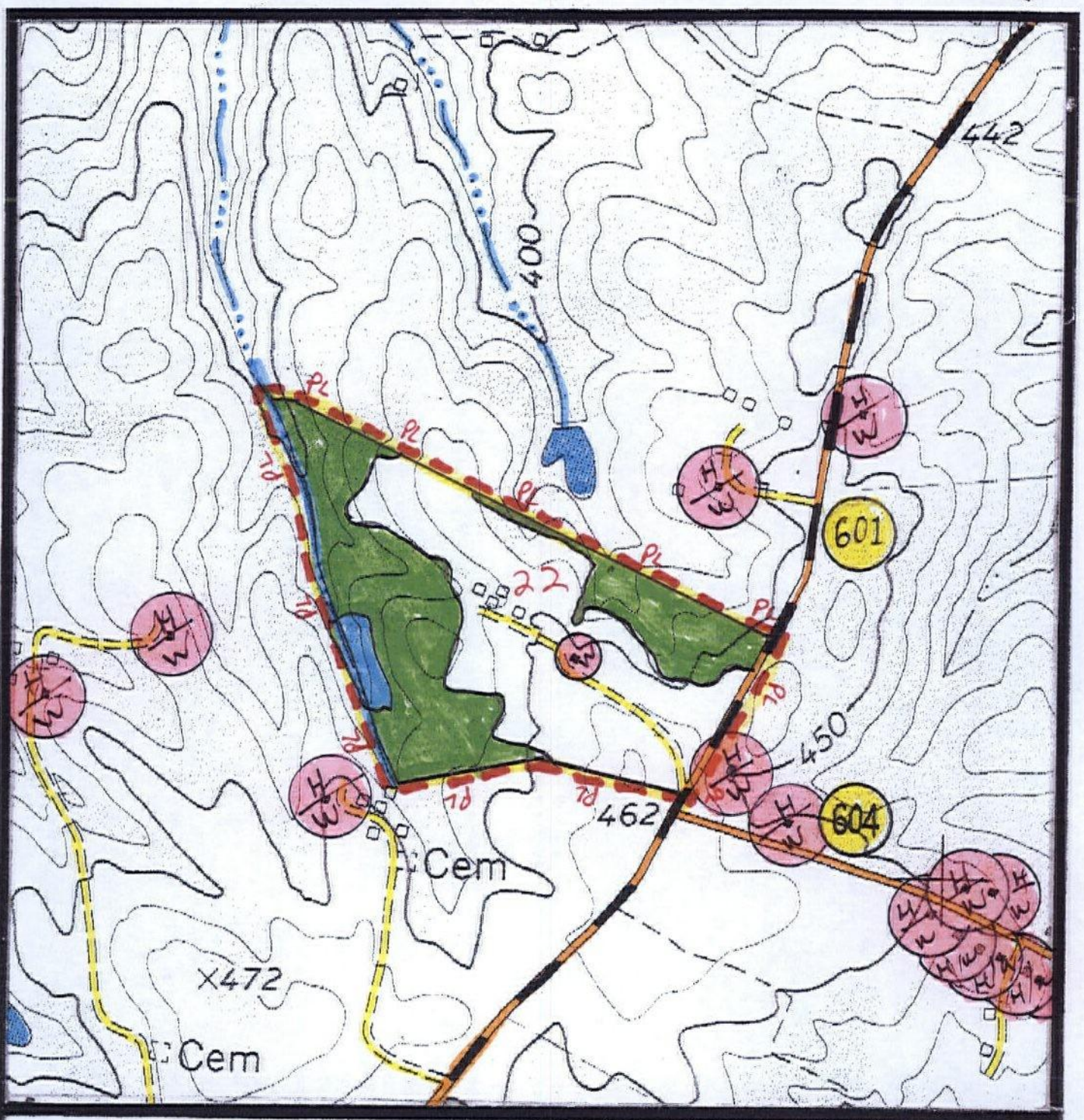
LUXTH 20-21

SITE PLAN

N

Recyc Systems™ Inc.

(Biosolids Land Application)



Scale: 1inch = 660 feet

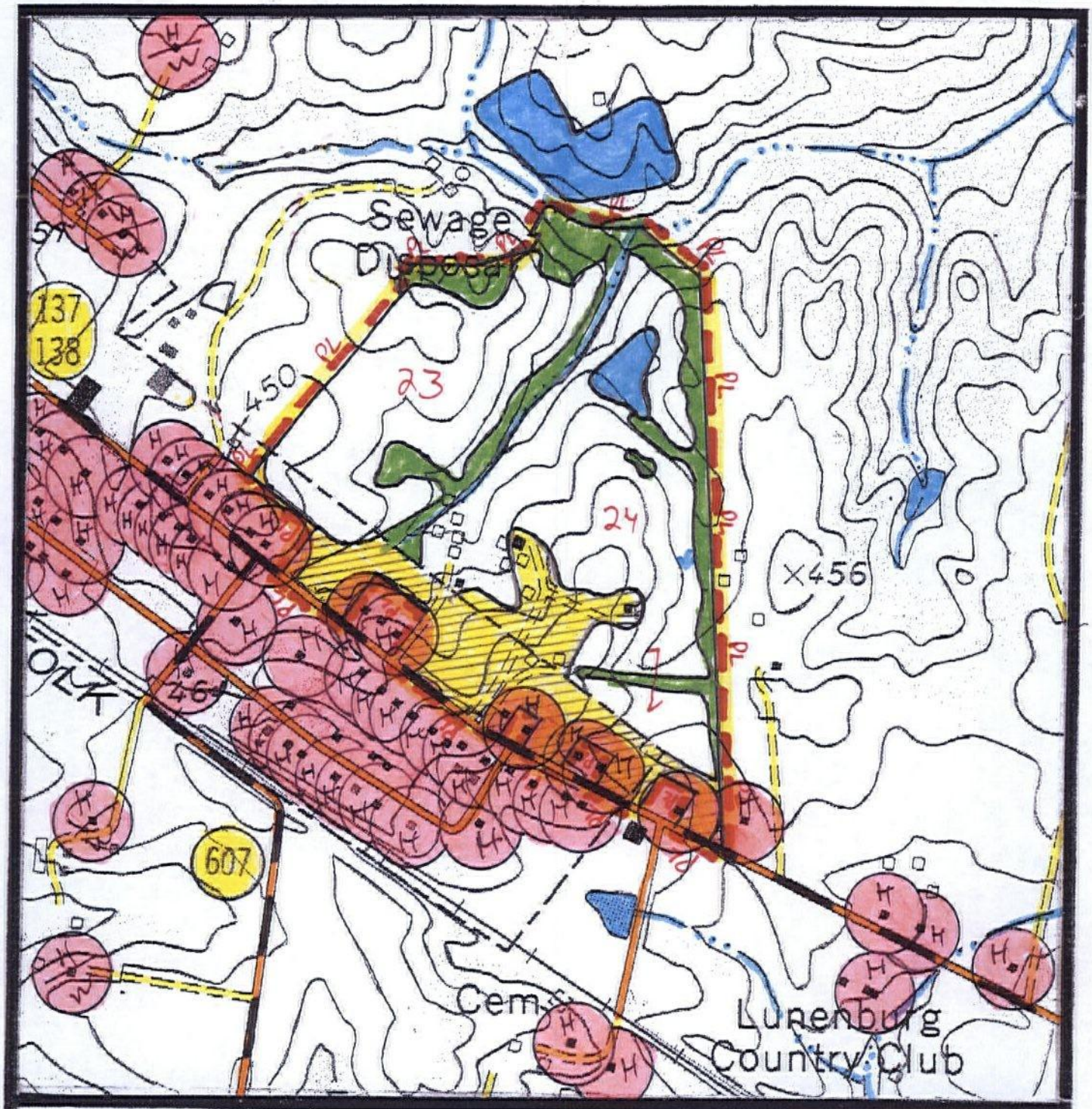
LUXTH 22

SITE PLAN

N

Recyc Systems™ Inc.

(Biosolids Land Application)



Scale: 1inch = 660 feet

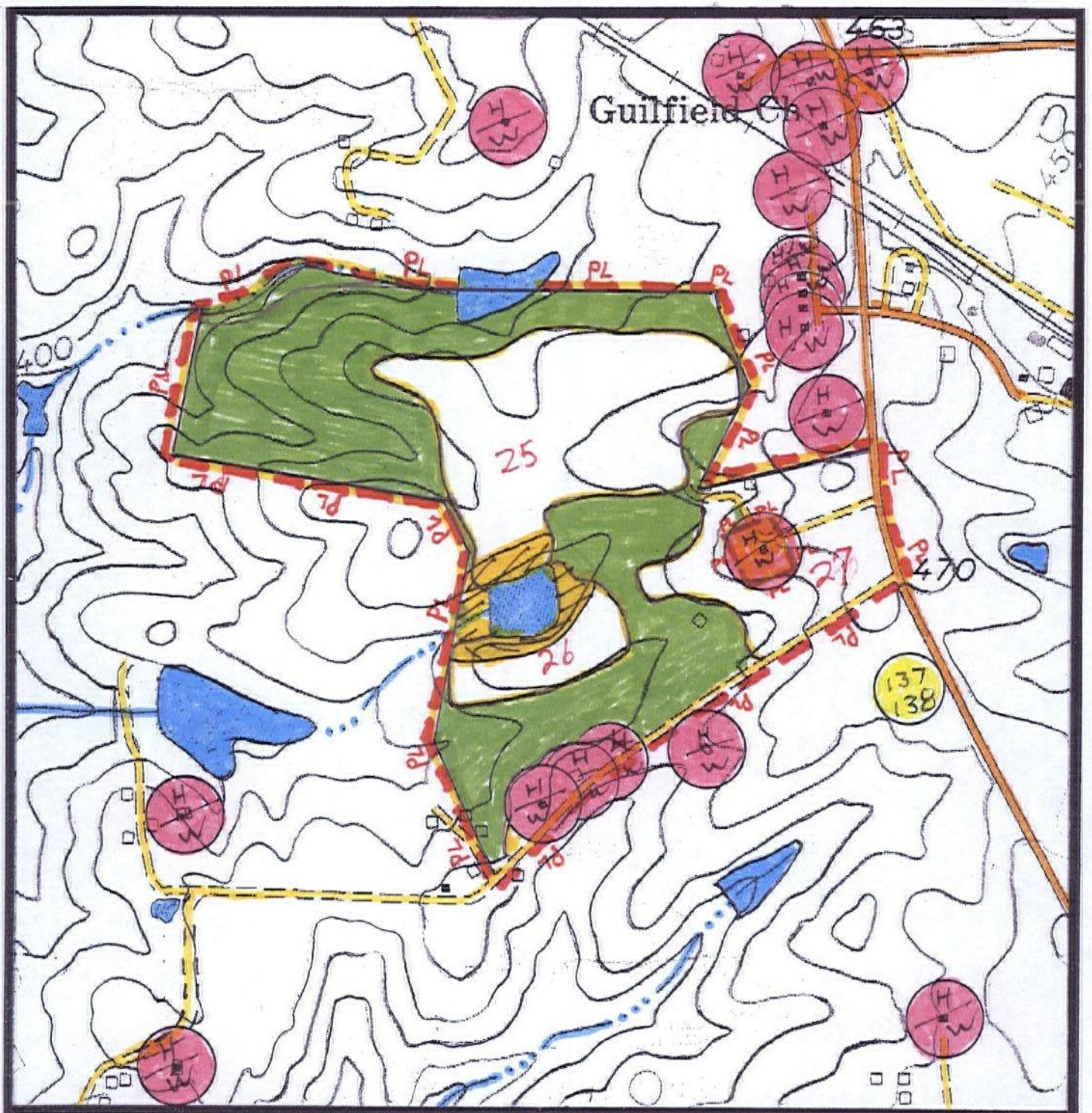
LUXTH 23-24

SITE PLAN

N

Recyc Systems™ Inc.

(Biosolids Land Application)



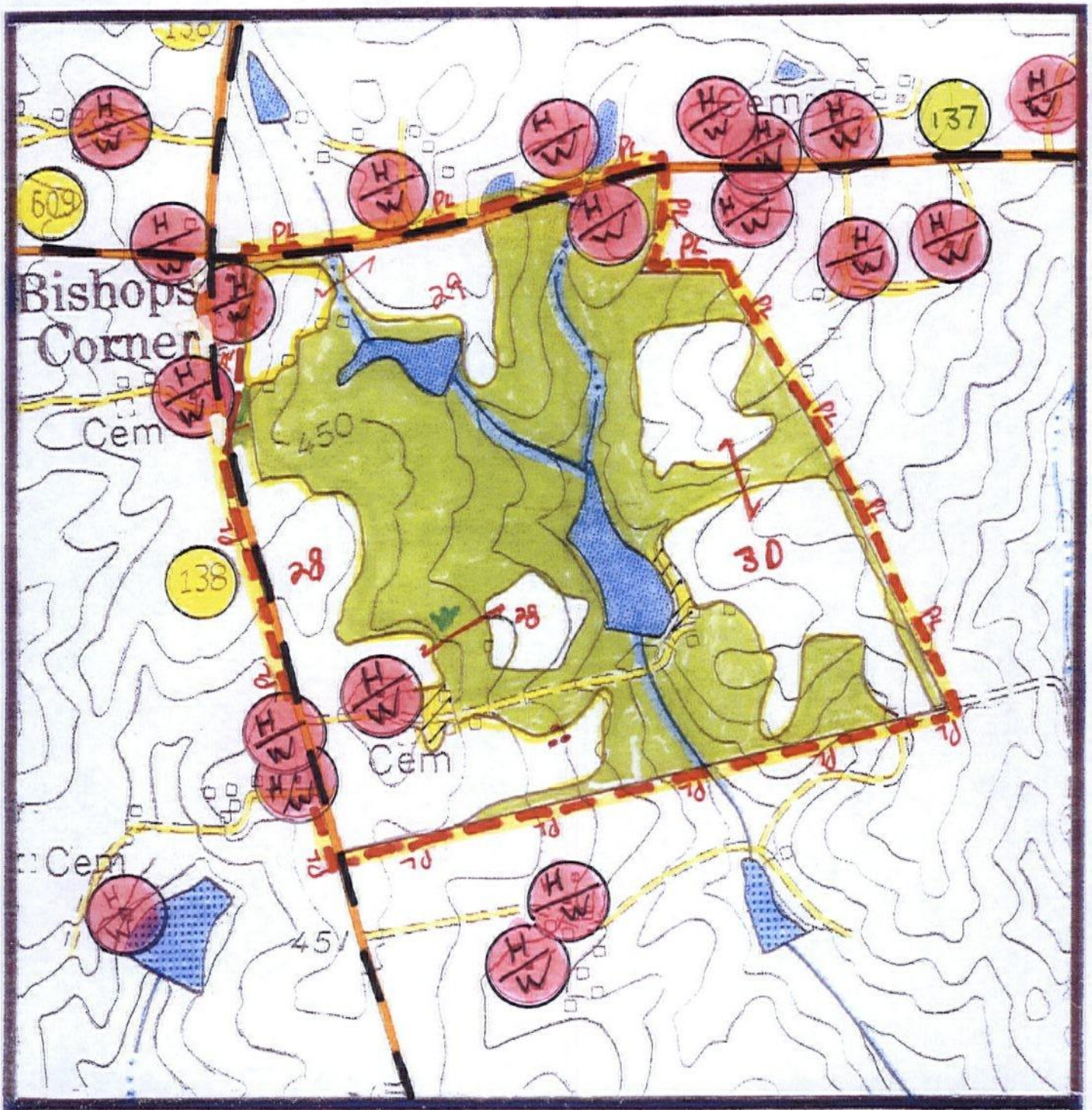
Scale: 1inch = 660 feet LUXTH 25-27

SITE PLAN

N

Recyc Systems™ Inc.

(Biosolids Land Application)



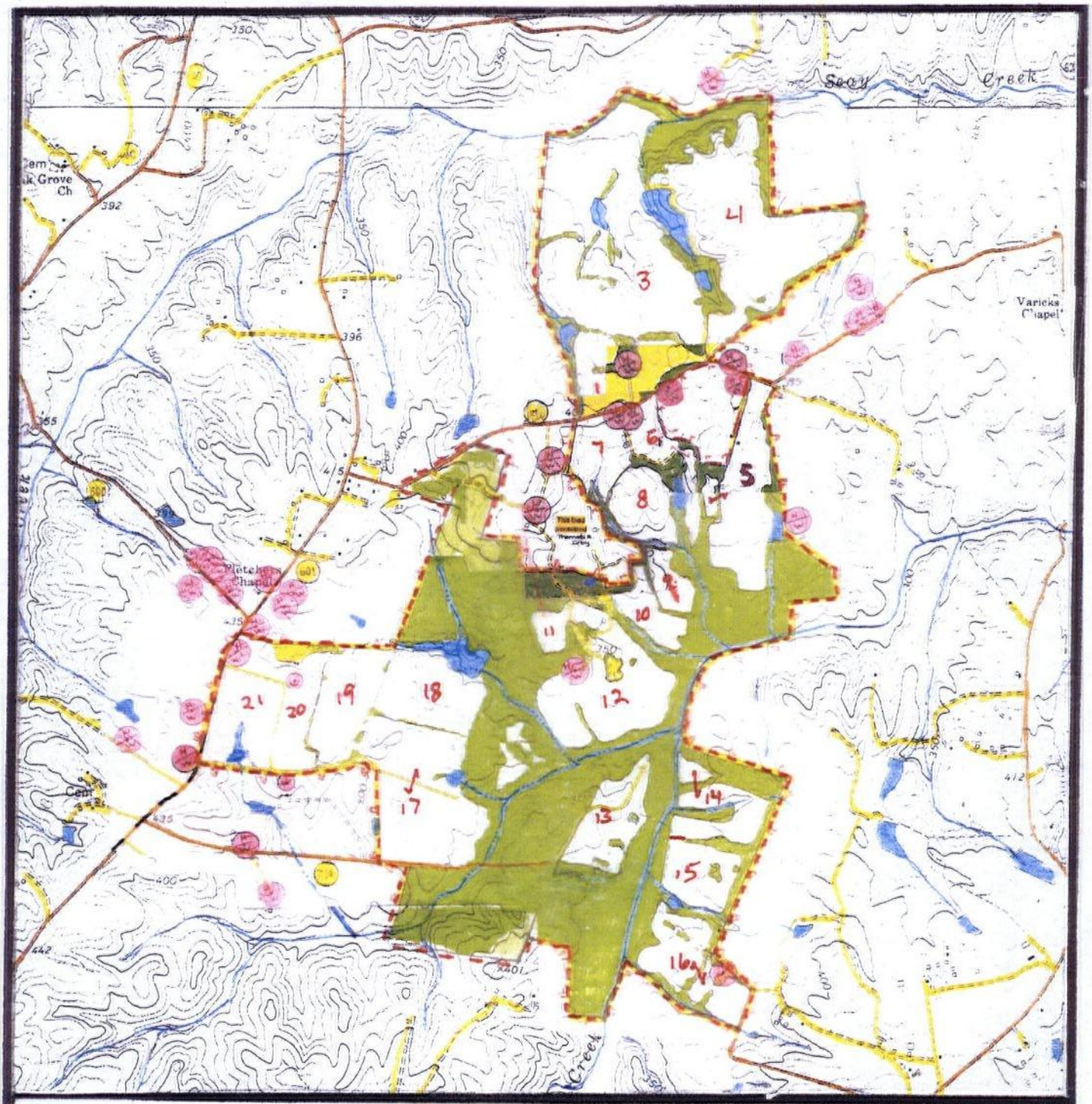
Scale: 1inch = 660 feet LUXTH 28-30

SITE PLAN

N

Recyc Systems™ Inc.

(Biosolids Land Application)



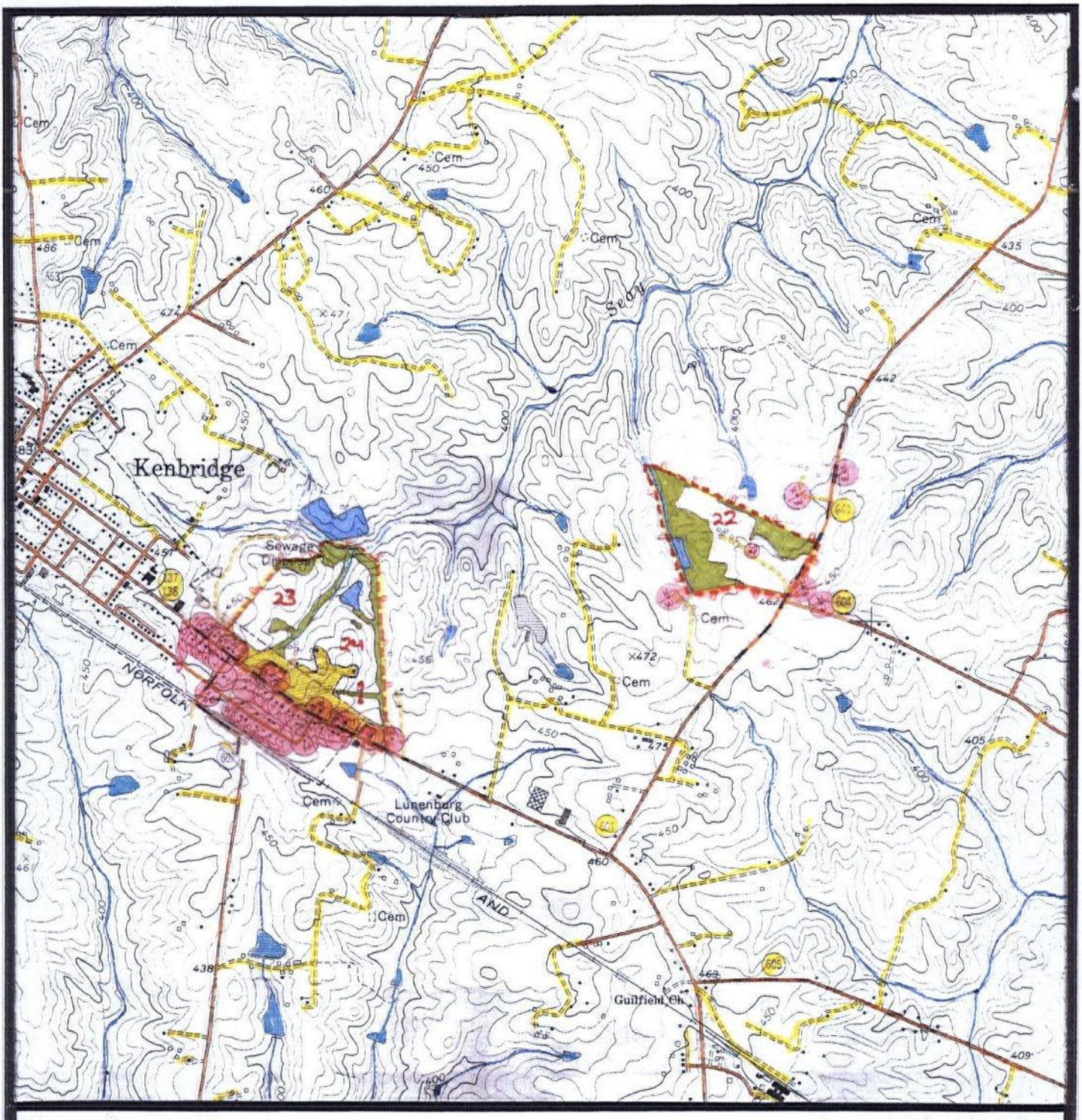
Scale: 1inch = 2,000 feet LUXTH 1-21

TOPOGRAPHIC MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)



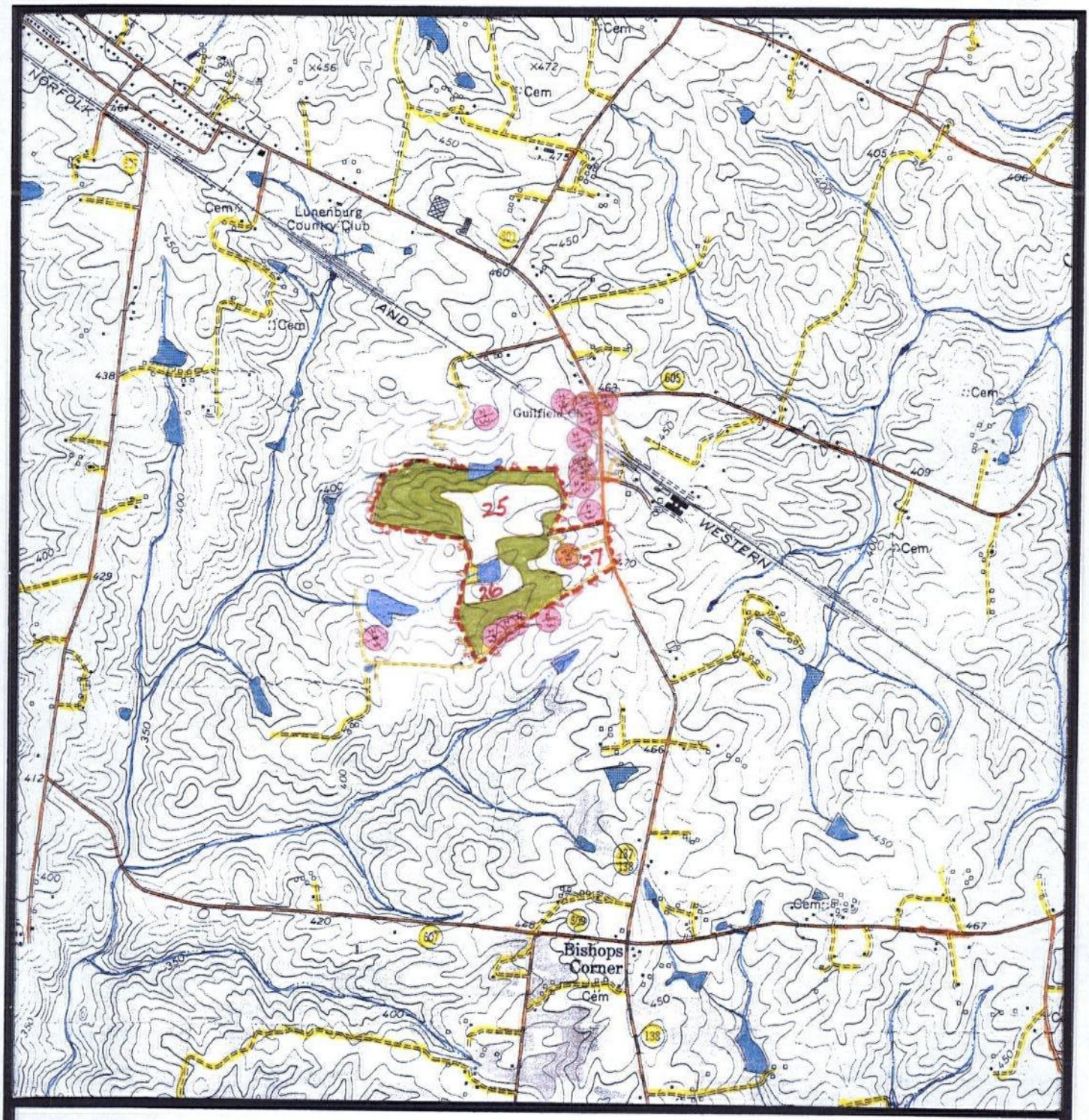
Scale: 1 inch = 2,000 feet LUXTH 22-24

TOPOGRAPHIC MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)



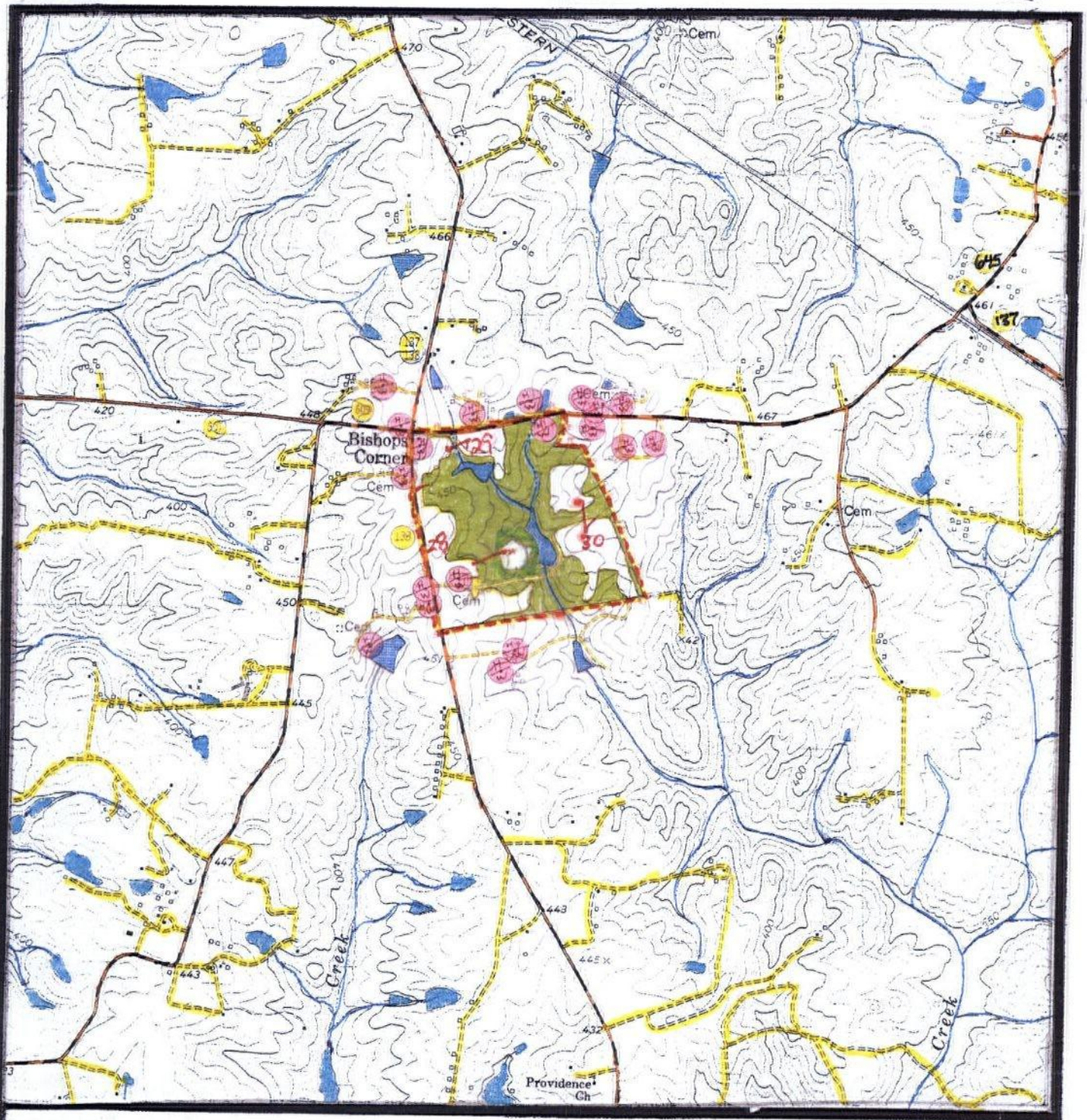
Scale: 1 inch = 2,000 feet LUXTH 25-27

TOPOGRAPHIC MAP

N

Recyc Systems™ Inc.

(Biosolids Land Application)



Scale: 1inch = 2,000 feet LUXTH 28-30

TOPOGRAPHIC MAP

N